MANORAMA YEARBOOK 2007



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"Responsible for the selection of news under the PES Act.

A Year of Achievements

I have great pleasure in offering a hearty welcome to all of you to the 42nd edition of Manorama Yearbook.

It is a happy coincidence that the publication is coming out when India is celebrating one of its greatest victories in the economic sphere. The country has achieved a record of spectacular takeovers of foreign companies and our new image as a rising global giant has been internationally recognised. The economic boom is real and palpable and full of greater promises. Little wonder our Cover Story is on the renaissance of manufacturing and the new vistas it has opened up for Indians.

Twenty special articles on various aspects of Indian life and society by experts constitute an important segment of this edition of the Yearbook. Areas covered include agriculture, industry, energy, literature, science and sports. UN reforms, status of women, Gulf migration and the corruption scene are other topics we have discussed. Special features deal with books, films, cars, explorers, the history of Lok Sabha since 1951 and the top 300 Indian cities. All regular features have been carefully updated, with a special treatment given to an enlarged GK section.

It is gratifying to note that Manorama Yearbook is being used increasingly by educational and training institutions to prepare Indian youth for successful careers. The book is also a constant companion to scholars, researchers, executives and the general public, who find it as a reliable reference guide on India and the world.

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I am grateful to all who have helped us reach the present heights. Let me take this opportunity to thank our contributors, advertisers and well-wishers for their support.

My best wishes for a happy new year.

K.M. Mathew

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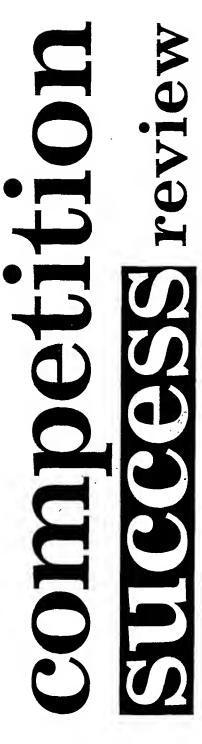
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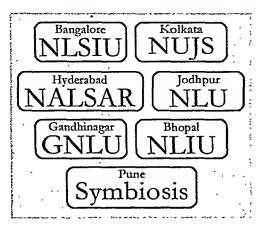
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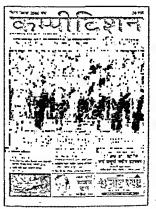
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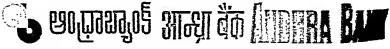
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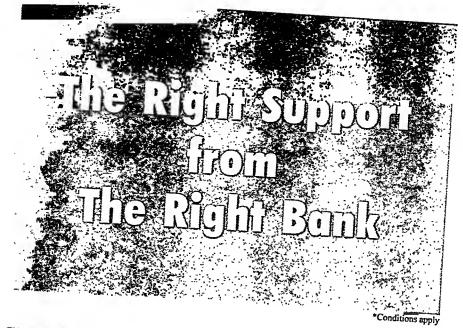
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The Great Indian Boom — The Renaissance of Manufacturing

G. Vijaya Raghavan & V.S.M. Nair

India has in the recent past been witness ing strong stimings of an industrial renaissance. The resurgence of the country's manufacturing sector has been nearly magical, throwing up promises of an emerging manufacturing power.

Reforms of economic regulations set in motion in 1991 unlocked India's enormous growth potential and unleashed unstoppable entrepreneurial forces. The Indian enterprises have become more confident, competitive, combative and ambitious about their future than ever before. They have, to compete globally, been investing to build scale in critical areas of production, distribution and marketing.

Corporate India is firing on all cylinders. As on June 2006, about Rs. 5 lakh crores project investments for manufacturing are outstanding, a historic high, and 37% higher than that of corresponding date last year. This level of huge capex commitment is warranted mostly on account of peaking of capacities, the utilization of which ranges 80% to 90% in many industries.

"The 'Hindu rate' of growth was history, as was socialist self-denial. In its place arrived an ebullient culture and a courageous, ambitious new spirit".

This essay attempts to capture the different facets of this fascinating story, warts and all.

India Inc. Joins the High Table India is taking on the world

In the immediate past, India has been winessing Mergers and Acquisitions (M&A straddling sectors and geographies, at an urprecedented scale involving mind-numbin numbers. Deloitte Touche Tohmastu(DTT) estimated the value of Ms & As deals in India in 2005 at \$18 billion as against \$6.1 billion in 2004. The M&A deals during the first halof 2006 amounted to \$25.6 billion, an increase of 220% over the corresponding period in 2005. Of course, what is most fascinating is that many Indian firms have become MNCs themselves.

In 2005, FDI out of India exceeded FDI into India! Direct investment abroad by the Indian manufacturing sector has increased from \$ 0.17 billion in 2000-01 to 1.06 billion in 2004-05, an increase of 526% during a mere 4-year period. In the global M&A ranking of DTT, India moved up 12 notches from 29 to 17.

Around 80 cross-border deals worth over \$ 6.0 billion were cut during the six months, January to June 2006, as compared to 136 deals valued at \$4.7 billions for the calendar year 2005. The average deal size increased from \$32 million in 2005 to \$47 million in the first half of 2006.

The policy relating to Indian investments overseas has been liberalized to help the industry, to be competitive globally, access raw

materials, new markets and brands, technologies and established distribution network.

Many large Indian companies in basic industry such as steel, viscose fibre and copper have been acquiring upstream companies from around the world as backward integration.

Let us look at a few samplers.

findal Steel bags mining rights for the largest single iron ore mine in the world. The Bolivian mine has potential reserves of 40 billion tonnes of which findal acquired the rights for 20 billion tonnes nearly the entire reserves in India. Jindal will be investing \$ 2.3 billion in the next 10 years for mining and setting

up a steel plant. The global foot print of Bharat Forge, the second largest producer of forgings in the world and the most profitable, is getting bigger and bigger, having taken over 6 plants abroad.

Asian Paints is among the 10 largest decorative paints makers in the world with manufacturing facilities across 24 countries.

Essel Propack, world's largest manufacturer of lamitubes contributing nearly 30% of global supply, has 17 plants in 11 countries.

Continental Engine, Gurgaon acquired the European operations of the Dutch firm, Vege Motors and is planning to acquire the US operations of Vega as well.

Tata Group has been aggressively buying up foreign assets. Tata Steel bought Thailand's Millennium Steel for \$400 million and Singapore's Natsteel, as part of a \$20 billion expansion programme over the next 15 years. Tata Motors took over the truck operations of Daewoo for \$ 118 million to access markets in Korea and China. Tata chemicals acquired Egyptian fertilizers firm SAE for \$ 519 million. Tata Coffee swallowed USbased Eight O' Clock Coffee (EOC) for \$ 220 million (Rs. 1015 crore), through a combination of equity and non-recourse debt. Pick**INTERMITATION** SPECIFIC DELLE Best Selling Books for

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(vitaminised water) for \$677 million was the biggest cross-border deal in the private sector todate. By the end of the decade Tata group including Tata Tea, Tetley, Tata Coffée. EOC and Glacean combine to become one of the largest beverage players in the

ing up a 30% stake in US-based Glacean

world. Essar Steel is investing \$ 1.2 billion in a steel plant in Trinidad and Tobago. China

Sundaram Fasteners acquires a plant in Hindalco acquires Straits Ply, Australia for \$ 56.4 million and United Phosphorous takes over Oryzalio, USA for 21.3 million. Ballarpur Industries is acquiring Malaysia's largest pulp and paper company Sabah Forest Industries in a \$ 261 million deal. Videocon bought out CPT business of Thomson, US for \$ 290 million. Videocon. India's largest consumer electronics and

home appliances company with a market capitalization of over \$2 billion, with production facilities in India, Italy, Eastern Europe and Mexico, is planning to produce 6 million TV sets this year, thereby becoming one of the top ten TV manufacturers in the world. Videocon is in the final rounds of discussion for taking over Daewoo's consumer electronics business worldwide, a deal worth about \$700 million. Ashok Leyland is acquiring the truck business of AVIA, headquartered in the Czech capital, Prague. This will secure for the com-

pany a beachhead in the EU and East European markets. Spentex has acquired a textile company in Uzbekistan in an \$81 million deal, the biggest cross border M&A deal in the textile sector. The acquisition would make Spentex India's largest yam manufacturer. The most purposeful predators have been

Indian pharma companies. India has broken

generics. Dr. Reddy's Labs acquired Betapharn Company, Germany's fourth largest gener ics player for an enterprise value of \$ 480 million. For Reddy's, Beta Pharma will be the

tions in 2005 were more than 30 valued a

over \$ 1.3 billion. They are after the billion

of dollars worth of patents expiring thereby

opening up huge market opportunities fo

front end for marketing and distribution across Europe and use the Indian manufac turing operations as the back end. Ranbaxy buys Romanian Terapia for \$ 324 million for Pan European synergies. Ranbaxy acquired another generics Belgian and Italian companies for undisclosed amounts. Sun Pharma acquired the assets of Able Labs in the United States for \$23 million.

Lupin Ltd. has acquired 51% stake in the Belgian pharma company Dafra which has an anti-malaria portfolio of products. With this acquisition Lupin has become a global force in the institutional tender business along with anti-TB and AIDS in its active pharma ingredients business to be catered to from its WHO-approved facility at Aurangabad.

Matrix India took over Belgian company

Doc Pharma for \$263 million.

Aurobindo Pharma has 8 subsidiaries across the world, two JV's in the US and a new acquisition in China. Jubilant Organosys raised \$ 200 million through FCCBs and is planning to raise another \$ 125 million for inorganic growth -

for a faster learning curve, better market ac-

cess, new client relationships and more tech-

nology platforms - through acquisition.

Domestic Ms & As.

Indian manufacturing companies, across sectors, have been ramping up capacities substantially through domestic expansion and global acquisitions. Total value of acquisitions in 2005, for instance, amounted to Rs. 104,202 crores,

into the top three pharma industries in the world. The pharma sector's overseas acquisi-

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Competition Review Pvt. Ltd.

604 Prabhat Kiran, Rajendra Place, New Delhi-11000' Phones: 25712898, 25761086 Fax: 011-25754647 level two years ago. Manufacturing acinted for about Rs. 40,000 crores. The mber of merger deals rose to 375, an av-

aly double the previous year and five times

age of close to 50% over 2004, (Most of ese deals being based on equity swap, aring at their values is difficult). Indian companies enjoyed an unprec-

lented rise in net profits over the past four ears on account of increasing margins diversed through lower interest costs and rong sales momentum. Companies are tryon to leverage strong balance sheets and igh market valuations to buy growth brough M&A

Acquiring market share or new technolo-

ries, expanding capacity thereby deriving the

penellis of scale, entering a new market, consolidation or simply keeping the competition at bay are some of the underlying inducements for inorganic growth. Focusing on the core and shedding other activities also led to significant M&A activity among Indian companies. Group companies keep merging their businesses to leverage the synergy in their operations and reduce overhead costs. This phenomenon may slow down because

Where is the money for all this? Most transactions are leveraged deals with

the cost of acquisition, given the perceived

value of such assets, is in excess of their re-

piscement cost

50-60% of debt and some deferred considastions. Subsequently they raise less expenive FCCEs (Foreign Currency Convertible Sonds) or GDRs (Global Depository Receipts)

and retire the high-cost bridge loans. Indian Inc's hunger for capital has led to he country accounting for over two-thirds

of total FCCB in the Asia-Pacific market, exluding Japan during 2005. It also amounted o around 10% of global issuance.

demand.

markets in 2005-06

Funds raised by Indian companies from overseas markets during the first half of the calendar year 2006 were up 63% over the comparable period in 2005.

through FCCB offerings from the overseas

They had also mobilized huge quantum of capital through public issues including Initial Public Offerings (IPOs), Indian companies mopped up close to Rs. 25,000 crores in 2005-06 to fund expansion, modernisation and diversification projects. During the first 8 months of 2006, 51 companies mobilized Rs. 10,200 crore, 32% higher than what was mobilized during the corresponding period in 2005. During the next twelve months equity offerings of Rs. 1, 00,000 crore would hit the market. The current investment boom, just like the consumption boom, is fuelled primarily by domestic resources. Corporate

balance sheets have been significantly

strengthened over the past few years by an

improvement in profitability and much of the

capital investment is linked to international

The inflow of funds into India is growing at an exceptionally high rate. Foreign Direct Investment in 2005-'06 was \$7.8 billion, 37% higher than the previous year; Foreign Direct Investment grew by 158% between January and March 2006. Portfolio investment amounted to \$12.5 billion in 2005-'06 as against \$9.3 billion in the previous year.

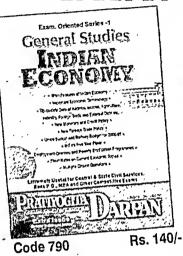
Private Equity investments have also been growing at a frenetic pace. PE and Venture Capital firms have crossed \$3.4 billion investments during the first six months of 2006 as against \$ 2.2 billion for the whole of 2005. This source has become mainstream for companies looking for capital.

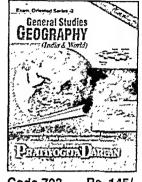
Leveraging India as a sourcing base The phenomenally successful IT industry is the ladestone for other industries. India is fast developing into a manufactur-

Indian corporates raised an all-time record f \$ 17.13 billion including \$5.21 billion

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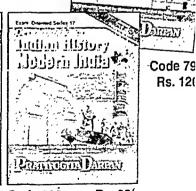




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Foxconn from Taiwan, world's second largest EMS provider, is planning to invest

another \$110 million to promote a hi-tech 300 acre SEZ in association with Motorola.

Victoria's Secret buys 6.5 million bras a year, about one-tenth of its global total, from a factory its parent company invested in. Forward Shoe makes one million pairs of leather shoes per year for European brand like

Clarks. It's a gold rush, BMW, General Motors and Intel and scores of smaller companies are buying up real estate. "After China, the next great manufacturing story is India- and companies

are buying it, because otherwise they

wouldn't be buying property".

India is increasingly becoming home to cutting edge R&D initiatives. Samsung, Cummins, Uniliver, ABB and General Motors have large and growing R&D facilities in India

(Offshore product development market in

India, mostly in the IT sector, has grown ten-

fold from \$300 million to \$3 billion in five

years.) World-beating Indian companies Over a dozen companies rank among the

top five global players in their segments.

Reliance is the third largest refinery in the

world in terms of firms that grew through organic expansions. Hindalco is behind only

Its capacity. It recently acquired a UK-based terry towel manufacturer for Rs.125 crores. It is also setting up capacity in bed linen.

pacity. Hero Honda is the world's largest mo-

four global majors. Welspun, the largest terry towel manufacturer in the world, is doubling Delhi-based Jubilant Organosys ranks among the top five global players in defined specialty chemical categories. It has acquired Max In-

top five players in two and three wheeler seq ments. Both the companies are expanding their capacities to maintain leadership pos

torcycle maker. Bajaj Auto ranks among th

tions: Hero Cycles, the world's largest bicyd producer.UB Group, world's second large producer of alcoholic beverages. Bharat Forg Mahindra & Mahindra and Telco are amon the world's top three forging, tractor an

truck manufacturers respectively. Moser Bae Delhi is among the top three manufacture of CD (read-only memory) in the world. On its expansion projects are on, it will become the world's third largest producer of even C recordable and DVD-recordable. Ajan

Clocks with production facilities in India at

China is the largest global producer. Ranba Lab, is one of the fastest growing players

the generic drug industry and Asian Pain

with production facility in all the five cor

nents are aiming for global leadership po

tions in the immediate future. Essel Propa is the world's largest tube manufactur Hindustan Inks is the largest single stream for integrated ink plant in the world. Evereaproducing over a billion batteries a year the third largest. ternational strategy and management co

Boston Consulting Group, a US-based sulting firm, has recently prepared a list 100 emerging global challengers for rapi developing economies; 21 Indian compar figure in this list. These companies are

track to become major 21st century multi tionals. Besides the three top IT compar

(TCS, Infosys and Wipro), others are Relian Bharat Forge, Crompton Greaves, Tata M tors, TVS, Mahindra & Mahindra, Ranb Cipla, Dr. Reddy's Labs, ONGC, Hinda Tata Steel, L&T, Tata Tea, Videocon VSNL.

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rooted in a protected environment to a m agement style which is exploiting global co

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India's global ranking for specific sectors are as follows: The world's largest three-wheeler manu-

petitiveness", Klaus Schwab, Chairman,

World Economic Forum.

facturer/market and second largest twowheeler manufacturers/market; The world's largest diamond cutting and polishing cen-

tre accounting for over 90% - the India's processors have stolen the majority of business

away from the old master craftsmen of New York, Israel and Belgium; Indian textile industry is the world's second largest and the chemical industry ranks the twelfth by volume, India has broken into the top three pharma industries in the world; The third largest leather producer; Ranks second in cement production; The largest producer of milk, tea and pulses to support food processing sec-

companies across 23 stock exchanges and the third largest investor base in the world. Importance of the Manufacturing

tor; India has the largest number of listed

Manufacturing creates productive employment, supports agriculture by adding value to its products besides providing the required

Sector

inputs, sustains the servicing sector and spins a cycle of wealth creation. It is generally reckoned that an investment in manufacturing produces a multiplier effect of four times i.e.

every rupee invested adds four rupees to GDP. The economic relevance of manufacturing

in the Indian context is indeed indisputable. Manufacturing can unleash a virtuous cycle of innovation to enhancing productivity to

improving competitiveness to providing goods at lower costs to improving purchasing power of the populace to higher demand

livina. The following statements say it all, the un-

"...... demograhics are destiny and the next ten years need 200 million jobs for new entrants..... failure to create

derlying logic of them being so overpower-

non-farm jobs. We have not seen the move

away from agriculture..... where development occurs when labour and capital move from lower value adding sectors into. more dynamic higher value - adding sectors

....... Inter-sectoral mobility is not undesirable but critical for growth in productivity, output and employment. Our labour markets have failed to create this mobility. We have low labour force participation (40%), low

organised employment(8% of work force)

and 40% are working poor (make enough

money to live but not enough to pull out of

poverty). India's service economy creates

jobs. But manufacturing is an anaemic 17%

of GDP and 13% of the workforce. The ma-

jority of our workforce (40% are illiterate) will only move away from agriculture when the unskilled jobs of manufacturing explode." Manish Sabharwal, Chairman, Timelease Services, ET, 20 June 2006. The biggest challenge that India faces to-

labour force of unskilled or low-skilled workers, whom the services revolution has not been able to absorb. India needs a manufacturing revolution in parallel with the services revolution to be able to respond adequately to the massive challenge of employment gen-

eration and alleviation of poverty. About 10-

day is to generate employment for its huge

15 million people will join the workforce annually till 2015. The country must create 7-8 million new jobs each year outside the farming, just to maintain the current level of unemployment at about 7%. The services sec-

tor will generate only a fraction of the addifor manufactured goods to more capacity tional jobs to be created. Manufacturing will, creation to higher growth and standards of therefore, have to carry most of the burden of providing employment.

Manufacturing, if strengthened, can gen-

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effect of manufacture on trading, transport and other support services, it alone can begin to address the most challenging of all the problems facing the country.

erate about 2.5 million new direct jobs each

year as against 1 million jobs created per year over the past decade. Given the multiplier

Manufactured exports account for 70% of total exports. In the manufacturing sector technology-intensive engineering goods continue to be the mainstay accounting for 21 % in the total merchandise exports followed by textiles (16%), gems and jewellery (15%)

does for close to three-fourths of exports, has continued to fuel export growth. It has been growing at around 20% per annum in dollar terms. Global trade opportunities are significantly higher in manufacturing; in 2005 global ex-

Manufacturing sector, accounting as it

and chemicals (14%)

ports of goods amounted to an estimated \$10.4 trillion compared to \$ 2.4 trillion in services. This clearly underlines the significance of manufacturing sector for export growth. Manufacturing sector is the destination for

four-fifths of foreign investment in the country.

"A strong manufactuning sector is crucial for any advanced nation that aspires to pay March 6, 2006.

its way in the world", E. Fingleton, Fortune, Manufacturing on the Growth Trajectory

An apparent skewness of the Indian economy

Typically, as a modem economy progresses, the driver of economic growth shifts gradually from agriculture to low-end manufacturing, then to high-end manufacturing and thereafter to services. Indian pattern of growth over the past two decade or so has been at variance with this conventional wisdom.

During the period 1984-2005, the share Manorama Yearhook ages

period, has attracted lot of attention of economists and policy makers. The skewness of the Indian economy is seen in terms of the phenomenon of about

57% of the country's labour force working in agriculture to produce just about 20% of national income. Services sector that generates 54% of national income employs only about 28% of the working Indians. Industry which can absorb unemployed and underemployed from agriculture has only 15% of the labour force. The share of manufacturing

globally is

of agriculture in the country's GDP has fallen

from 35% to 20% and that of industry (manu-

facturing, mining and quarrying, electricity,

gas and water supply and construction) re-

mained almost unchanged at about 26%. The

share of manufacturing in the GDP has mar-

ginally improved to little over 15% by 2005.

The relentless expansion of the services sec-

tor from 39% to 54%, within a relatively short

25% of GDP; this ratio is about 37% in Thailand, 36% in China, 33% in Malaysia, 18% in Mexico and about 15% in India in 2004. The share of developed countries in the global manufacturing pie has been consistently falling. Manufacturing exports as percentage of GDP amounted to 54% in Thailand, 30% in China, 93% in Malaysia, 27% in Mexico and about 8% in India in 2004.

Taking off from this scenario, many analysts tended to surmise that manufacturing in India is dead and that India can ride on services to achieve sustained economic growth. Such a prognosis is patently premature, if not flawed. Only the growth of the manufacturing sector is expected to provide the foundation for sustained growth of the economy over the long term. And, manufacturing did grow reasonably well.

A qualitative transformation on the back of overall expansion.

Indian manufacturing has grown faster

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During the past four years, average annual growth of manufacturing was less than that of GDP only in one year; in 2005-'06 manufacturing recorded a growth of 9.0%, one of the highest rates of expansion ever, whereas GDP arew at 8.4%. In terms of investment intentions, actual investments, imports and domestic production, there is a great buoyancy in capital excontinues to be less than 1%, the country's penditure. manufacturing sector is engaging more with Companies across different industries enloyed high sales and high profit growth in the Immediate past. Corporate India has been coming out of a decade-old investment slumber and started/announced mega new projects. The intent to invest is an indicator of private investors' confidence in the future of the economy. Buoyant business expectations stimulated the Investment tempo. Filing of investment intentions as reflected in Industrial Entrepreneurs' Memorandum, for the sectors which had ceased to have licensing requirements, picked up again from 2003 after a near-stagnation in the preceding seven years. During the period 2002 - 05 (3-year average) the number of IEMs was 5065 involving proposed investments of Rs. 2.47 lakh crores as against 4660 IEMs and an estimated investment of Rs. 0.90 takh crores during 1992-94(3-year average). Among the different industry groups, during the period 1993-94 to 2005-06, two-digit

average annual increases in indices of indus-

facturing as a whole recorded an average

han GDP during the last two decades. Durng the period 1993-94 to 2002-'03 average

annual real growth rates of GDP and manu-

facturing were 6.0% and 7.1 % respectively.

facturing grew 11.8% during the first quarter of 2006-07 as compared to 9.9% during the corresponding figure last year. The performance of the Small Scale Industrial sector has also been reasonably good. Share of SSI sector in the gross industrial value added in the economy is around 40%; about 45% of total manufactured exports are directly accounted for by the SSI sector Although India's share in world exports

annual growth of 11.2% during this 12-year

Index of Industrial Production for manu-

period.

the global economy than ever before. The manufacturing exports to manufacturing GDP ratio has exceeded 0.6 mark, which was 0.2 mark in the early 90s; in other words, more than half of the manufactured sector's output is meeting global demand. Overall exports to GDP ratio, however, is extremely low at 0.12. Import penetration ratio (manufacturing imports + total domestic supply of the manufactured products) is on the rise as

well. India was the fastest growing importer in the world in 2005. A significant feature of the recent industrial resurgence pertains to structural transformation of the industry. During the current industrial rebound, the Capital Goods sector(the 'Mother' of manufacturing) re corded double-digit growth. During the pe

nod 1993-'94 to 2005-'06, index of produc

tion of Capital Goods segment recorded a

average annual growth of 13.8% as com pared to 12.6% for Consumer Goods, 9.79 for Intermediate Goods and 7.5% for Basi Goods; the manufacturing sector as a whol

capacities driven by economic fundamenta

including expanding market conditions. E

trial production were recorded by beverages, tobacco and related products, transport registered a growth of 11.2%. This trend cor equipment, other machinery and equipment, tinues to gather momentum in 2006-07 segments of textiles, non-metallic mineral well. products, basic chemicals and chemical prod-Indian industry is engaged in deepening ucts and paper and paper products. ManuTCS - CTS - INFOSYS & all other MNCs

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'93 to 2005-'06 from 5.8% in the 1980s. During the last three years the growth rate accelerated to 8% per annum.

Over the past 15 years, India has been the second fastest growing large economies of the world (after China) and, of course, the fastest growing free market democracy (Never in recorded history has a democracy with even 200 million people sustained annual real GDP growth of 6% over a 25-year period). The rate of growth of the Indian economy was almost double the average global rate. Indian economy was the fourth argest contributor after US, China and Japan towards incremental global GDP growth in 2005, edging out industrial heavyweights like Germany, UK and France.

Inflation has been tamed in the recent past from 7% in 1997-98 to less than 4% in 2005. Interest rates have moved in tandem and their downswing enabled the stimulation of consumption and investment. The rupee has relatively been strong against dollar.

Foreign exchange reserves have been steadily growing for the past 15 years and are currently of the order of \$165 billion (as against \$5 billion in 1990-91!). Such a growing pool facilitated significant relaxation of restrictions on the use of foreign exchange, enabling industry to import what it wants and to service external debts and pay for all needed foreign services.

The country enjoys the lowest debt-service ratio among the emerging economies. Forex reserves are in excess of external debt by over 20%. Equally important, most of Indian external debt is long-term in nature.

Expansion of bank credit during 2005 was the fastest in Asia.

The openness of the Indian economy has been growing; trade as a percentage of GDP significantly increased from 21% in 1999-'00 to 33% in 2005-'06. Tariffs have been falling; trade alliances are expanding. Special Economic Zones — the same enclaves

Manager V. . .

of economic freedom that spearheade China's export-led industrialization — ar spreading across the country.

Robust institutional framework

India's free market economy has a legal and regulatory framework, especially the on evolved since the process of liberalization was set in motion, that rewards free enter prise, entrepreneurship and risk-taking.

The legal system supports economic lib eralization and modernization when appropriate. IPRs, bankruptcy, foreign exchange control, data protection, competition and other laws have been overhauled to boos foreign investor's confidence.

The introduction of the Independen Regulatory Authority in such economic activities as the capital markets, power telecom and insurance sector has helpec promote orderly economic growth. India: healthy banking system is among the largest in the world. NPA levels of banks in India are about 3% of GDP, one of the lowest among emerging nations (This ratio is over 25% in China.). The banking system is Basel Inorms compliant and moving towards Basel II. "Whatever it takes to be good at banking, India has it by the bucket load at every level." ",The Economist, London.

India's financial sector as a whole has been one of the fastest growing sectors in the economy. It has been buoyed by increased private sector participation including an explosion of foreign banks, insurance companies, mutual funds, venture capital and investment institutions.

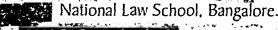
India has transparent, highly technologyregulated stock market defined by the modern, nation-wide on-line screen-based trading system, a T+2 rolling settlement system. India today has one of the lowest transaction costs. NSE is the third largest and the BSE, the fifth largest in the world in terms

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owed internationally. Many companies listed on the NYSE and NASDAQ and

ort their results under US GAAP.

lumber of dansactions.

Comprehensive Intellectual Property hts regime is in place. All IPR laws are PS-complaint with a fully functional Inectual Property Appellate Tribunal.

sh-speaking managers, scientists, engi-

ers and workers represent the greatest rength of India, The country has the

ıman capital, an unrivalled source Educated, skilled, hardworking and En-

ungest workforce of any large economy, status that will be maintained for long. dia will be the largest contributor to the lditional working-age population globally er the next few decades. Converting the owing working population into a virtuous rcle — creating productive jobs- higher nsumption-higher savings-higher investent- economic growth — represents the

eatest promise and the greatest challenge.

According to a recent World Competi-

on Yearbook prepared by IMD, Switzer-

nd, India ranks 11th among 60 nations in rms of the extent that the University edu-tion system meets the competitive needs the economy. In terms of availability of illed labour, especially engineers, India nks 7th. India was ranked first for availability of

valified engineers (China is 57th and US nks 9th).India ranks among the top three 30 nations in terms of availability of

illed labour force, as per a recent study KPMG. India ranks second in the world ne first being Germany) in terms of the been better than in Australia, Germany, UK and USA. India has one of the lowest labour cost/hour, lower than in Thailand, the Philippines and Malaysia.

designing and engineering capabilities.

Labour productivity growth in India has

India leads in the skill-based manufacturing activity such as ability to re-engineer equipment at lower cost and innovative process re-engineering. Competency of Indian senior managers is world-class; unsurprisingly many reach top positions with MNCs globally. Because India has the most vital resource

required, global players on cutting edge of technologies have set up major, highly successful production and R&D facilities in India.

Huge, growing domestic market "The best story is one based on domes-

tic consumption, India is one". India is one of the most attractive consumer markets i the world. Driven by a young populatio with access to disposable incomes and eas finance options, the consumer market ha been growing at a faster clip than ever be fore. Consumption-led boom is on. The size of the market in terms of the

population representing 18-35 years ag group with the prospensity to spend is 30(million, more than the total population o most countries!

· The distribution of households as pe monthly income level provides a sense o the size of the middle class in the country

(Rupees per month)	No. of Households (million)
Rich (+2,15,000)	6
Consuming	_
(45,000 to 2,15,000)	. 75
Climbers(22,000 to 45,0	000) 78
Aspirants(16,000 to 22,	000) 33

A larger, richer market is ahead with the size of the economy, in PPP terms, expected to triple before 2020 in real terms.

India is rated as the world's most attractive market for mass merchant and food retailers seeking overseas growth, according to management consulting from AT Kearney's 2006 Global Retail Development Index, an annual study of retail investment attractiveness among 30 emerging markets. According to McKinsey forecasts, India will be among five largest consumer goods markets worth \$ 400 billion by 2010.

India Inc. responds to the upsides & downsides of reforms.

The benefits of economic reforms do not come alone; they come with a set of real or perceived threats. The strong performance of the manufacturing sector does seem to demonstrate that the sector exploited opportunities economic liberalization gave rise to, at the same time, managed to conquer the threats that came its way.

Key elements of reforms included:

Freeing domestic industry from licensing, barring a few sectors; the industry could expand, diversify, import whatever they wanted; was given freedom to price their products, their equity, in case of public issue, and to make overseas issues.

Restrictions on foreign exchange controls, FDI regimes, tariffs on goods and services and non-tariff barriers were substantially eliminated. Peak customs tariffs were brought down significantly.

FDI was allowed into most sectors through automatic route.

Taxation regime was rationalized/simplified.

The process of privatization of public entities to ensure both the efficient allocation of resources within the economy, promoting healthy competition and generating resources for investment in social sectors was initiated.

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Domestic stock markets were modernized and were opened up to international investors.

With the dismantling of import restrictions, the domestic players, to beat the competition of cheaper/better products from abroad, had to go in for savage restructuring initiatives to manage costs, improve productivity, enhance quality and respond quickly to changing market dynamics. Many family-owned companies realized that, for survival, it is imperative to separate management from ownership. lost picked the best talents they could lay neir hands on and gave them the freedom o manage without the owners breathing lown their necks. The scions of many busiless families are getting trained in leading ousiness schools around the world before oining the family business.

Companies have been vigorously pursuing such concepts and practices as organizational change; best-in-class bench-marking; professional, accountable and transparent form of management; re-engineering core processes to improve efficiency; leveraging IT to improve productivity and quality of decision-making; quality focus; and customer orientation.

According to the latest World Competitive Yearbook, which ranks countries (61 countries this year) on the basis of 312 criteria spanning four areas- economic performance, government efficiency, business efficiency and infrastructure- India climbed 10 notches to be ranked 29 and China climbed to 19th rank from 31 positions last year.

According to a global benchmark study of Deloitte Touche Tohmatsu, Indian manufacturing is enjoying gross profits and sales growth rates that are almost twice that of global manufacturers; sales growth of 15% as compared to 7% for global peers and gross profits of 16% average as compared

to global average of 8%.

Across industry groups, India has bee generating better returns on investmen than China. World Investment Report 200 ranked India the second most attractive in vestment destination among Transnation. Corporations. The 'FDI Confidence Inde 2005' prepared by A.T Kearney ranked in dia the second most attractive investmen destination.

"An increasing number of India's old economy firms have quietly restructured. Spurred on by the threat of foreign competition, they have discovered how to mak internationally competitive goods by shed ding labour, designing new products an improving management. They are cashin in on the same low labour costs and technology-astute employees that have helpe India in software and outsourcing. In the process, this has given Indian firms the confidence to search out markets in developed economies and even to buy operation abroad."

"Product focus is passé; supply chain i where the competition lies. Manufacturing companies in India have cracked the code by innovatively linking ERP with SCM. The potent combination is helping companies slash costs, manage inventory and optimise scheduling", Doing It Right, Economic Times.

Focus on quality

Indian companies have been leveraging the awesome combination of engineering and managerial capabilities to elevate quality standards to global levels. In fact, Indian manufacturing companies rank second only to their Japanese counterparts in terms of the number of Deming Awards, the most

coveted recognition for quality.

India has been the largest filer of patents among the developing countries over the last few years. In the pharma industry,

India has the largest number of USFDA registered companies outside the US.

"Quality is the buzzword for manufacturing in India today. Companies across industries are realizing that the way into the global markets is to produce and service better than the rest of the pack. In their quest for quality, companies are adopting a range of techniques and tools, from Six Sigma to ISO. The leading companies are also challenging themselves to go in for internationally recognized awards like the Deming Prize and Malcolm Balridge awards, in the process raising the level of their interactions with their employees as well as the environment.", Doing It Right, Economic Times.

The Key Constraints Restraining India Inc.

In terms of building scale in crucial areas of production, distribution and marketing, growing market share, containing costs, maintaining quality standards, and adopting state-of-the-art manufacturing practices, all to aggressively compete globally, Indian companies have done reasonably well during the past 15 years. They could, of course, have done better. But then, given the fact that the Indian industry had to withstand the almost predatory policies and practices of an ubiquitous bureaucracy for close to 45 years and that "many of the

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the burden of administrative compliances, complex taxation, poor infrastructure and corruption considerable. The result is that firms in India pay more than rivals to produce, distribute and export their products.

A study of 15 major manufacturing sectors in India shows that the share of operating surplus in the total value of output averaged 15% in India whereas the ratio was 22.6% in Malaysia, 29.4% in Indonesia and 30.6% in Korea. To some extent, the relatively low ratio acts as a constraint on aggressive pricing by the Indian comies.

ird world infrastructure

Low spending on infrastructure- electric-, roads, railways, ports, airports, urban rastructure, communication – is consided the single most important overall containt on the Indian economy in general and manufacturing in particular. In other ords, infrastructure is the key to unlocking the human and material resources of the country.

It is estimated that India has in the reent past invested only 3.6% of GDP on ifrastructure as against 9.0% by China.

The most significant infrastructure contraint for manufacturing is the inadequate upply, poor quality and high cost of electricity. Cost of electricity in India is nearly louble that in China and over 60% more han that in the US.

For goods sent by rail, freight costs are wice the average of developed countries and thrice that in China.

On an average, the time taken for different processes at a port in India varies from 5 to 10 times that in China. Delays at the port tan put a company at a 15% cost disadvantage relative to overseas competition. Average cost of freight payments as a percent-

age of imports is nearly double in In compared to world average.

India is the largest producer of fruite etables and milk in the world; yet 4 which rots for want of adequate cold processing and packaging facilities the depriving the rural sector of millions o

Outmoded, overly restrict labour laws.

"One of the most significant regulation provides a disincentive to grow busin reduces flexibility in operations aucreases exit costs."

Current inflexible labour policy madificult for firms to shed workers ren redundant by market or production to tions.

The greatest irony is that Indian later only for the protection of labourer ployed in the organized sector white counts for only about 7% of the workforce. Companies are forced to complete capital-intensive method of produ Number of jobs in the organized sect hardly changed since 1991. Only the mix of policy support would help tack problem of 'jobless growth'.

World Economic Forum's Global petitiveness Report, 2005 ranks India out of 117 countries on hiring and policies (China's rank is 26th).

Relatively low labour productivity dia acts as a drag. According to China's labour productivity-measur terms of PPP-based GDP/employed pe hour was \$ 4.8 in 2004 as compared \$3.1 in India. A Cli study shows that laproductivity in China's organized sec 10% to 300% higher than in India fo tain large industries.

However, labour cost in manufactor India (6.9%) is lower than that in Ma (8.7%) or South Korea (10.7%).

Relatively low labour productivity in India acts as a drag. According to IMD, China's labour productivity-measured in terms of PPP-based GDP/employed person/hour was \$ 4.8 in 2004 as compared with \$3.1 in India. A CII study shows that labour productivity in China's organized sector is 10% to 300% higher than in India for certain large industries.

However, labour cost in manufacture in India (6.9%) is lower than that in Malaysia (8.7%) or South Korea (10.7%).

Legacy of the Socialist past

The legacy of 40 years of regulations is still hanging heavy. Of course, things have changed profoundly and are still continually improving. However, India still has a lot of catching up to do.

Many analysts of the Indian scene believe that part of the bureaucracy is corrupt and inefficient; armed with plethora of regulations, it tends to ensure that it costs more and takes longer to start a business, enforce a contract and close a business than what is essential.

A recent study by FICCI shows that about 80-90 inspectors could visit an industrial establishment with 20 of them under 5 regulatory areas having the power to send the owner behind bars.

As per the latest survey on Doing Business by an affiliate of World Bank, the overall rank of India is at the bottom of the ladder, 134 out of 174 countries studied.

Looking Ahead

The much-quoted 2003 BRIC study by Goldman Sachs, the biggest global investment banking group, predicted that over the next 50 years India will be the fastest growing of the world's major economies, primarily because India's will be the youngest worldforce. By 2050 India will have the world's third largest economy



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per year; this performance will make India the fastest growing economy among 34 developed and developing countries; GDP of India will double every 12 years and India's economy will be the world's third largest by 2020 in PPP terms(i.e. excluding exchange rates effects) behind only US and China; during this period India will add about 250 million workers, the highest for any country, to the labour pool. This would

est number of consumers and savers.

Various public utilities and commercial entities are to award new contracts with an estimated value of Rs. 6 Lakh crores. Besides massive infrastructure investments, significant expansion of the manufacturing sector will produce the secular growth story of India.

imply that India would add the world's larg-

The biggest wave of offshoring is yet to come, according to an analysis of McKinsey. Hundreds of billions of dollars worth of manufactured goods from the developed countries (with shrinking workforces, galloping health costs and collapsing pension systems) will be sourced from low-cost countries. Appetite for manufactured products will remain very strong in most of the developing economies which will collectively account for most of the global population. Given the comparative costs of production, fully manufactured items or parts of the processes will move from the developed countries to developing regions which offer optimum conditions.

More and more companies may not have any production facility at all for their products. All that they will own will be the intellectual Property Rights for production technology and equipment and the brand. They will globally promote their brand, the most valuable asset for a company, and production will be outsourced. (Companies will increasingly adopt the model developed by Nike, the global shoe major.)

Few countries in the world have the pability to exploit the emerging opportuties as does India.

According to the findings of a received.

study by ASSOCHAM, manufacturing

poised to create 25 million new jobs 2010. Manufacturing exports will increate \$100 billion from the present level about \$ 50 billion; by 2015 exports manufactured products are likely to be the order of \$300 billion, as per a CMcKinsey analysis.

If GDP were to grow at the annual rate 8+%, manufacturing sector must grow the rate of 12%. At this rate, the sector share in GDP will grow to 23% by 2015 against 15% presently and will generate or 1.6 million new jobs per year at the curre employment elasticity. If the elasticity is proves (by accelerating the growth of the sectors with high employment elasticity

additional jobs per annum could well

close to 3.0 million. In addition, indirect e

ployment will be 2 to 3 times the direct e

ployment. This, of course, pre-supposes t

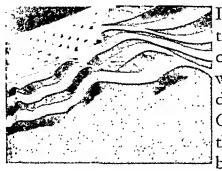
introduction of a slew of labour, fiscal a

regulatory reforms,

Manufacturing itself is undergoing a que transformation. The lines between the manufacturing and service industries are it creasingly getting blurred. Manufacture are evolving to a digital enterprise within more knowledge-intensive manufacturing environment, supported by CAD, virtual reality, animation and simulation (all over the internet) involving the various participant like equipment suppliers, co-designers are consumers.

Manufacturers all over the world are is creasingly focusing on services as a way make themselves more competitive and also to find new sources of growth. Software divelopment and application is dominating the engineering process in consumer and industrial products. "The focus and value in a

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ndia's capabilities to take on of manufacturing that require pproach'. To become a global ing powerhouse, India only ister 'the challenge of getting lance between engineering-in-

rice-led manufacturing and the d way of making products that nina's strength'. (Peter Marsh, mes, London).

owledge and technology bemain drivers of industrial and powers in the emerging global a has a strong chance of sucinning for itself a wider strate-

nanufacturing has what it takes

a global leader and be the founhe economy's sustained growth ng-term. The stunning success re industry has had in the past roof that the country has both and the ability to compete in a and win. Many of these leseing applied elsewhere in the

oust growth, unflagging ecoorms (embracing the whole infrastructural, fiscal and reguonment and facilities) and unetermination to ensure a betts entire people will help India riches.

ing the Strengths of uring of Ancient India. n of human history, China and the richest nations on earth.

numerous scientific and technical inve tions and had dominated the work manufacturing output. In 1700, India had close to 24% of a

bal GDP followed by China (22%) and I rope (20%) (The World Economy: A N lennium Perspective, OECD, 2001). However, by the beginning of 21" ce

tury, China's share in the global GI crashed to 11% and that of India to 49

"The 19th century belonged to Brita the 20th century belonged to America a the 21" century is going to belong to As China and India,"

Today China and India together accou for 40% of the world population and 18 of global economy based on purchasii power parity. According to Morga Stanley, very soon their share of the wor trade could match their population.

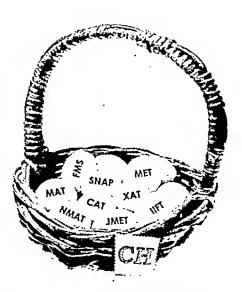
"India is the global economy's idiot s vant. It excels at the impossible turning o hundreds of brilliant engineers a year. software houses manage complex data f the world's.most sophisticated clients. I dia has world-class business leaders ar solvent banks. Nearly a third of India population can't read or write. Red tape ar corruption discourage foreign investmen as do restrictions on how firms deploy wor. ers", Fortune, 31, October 2005.

If India could get its act together, th country would, hopefully, recapture th economic power it wielded once.

* This essay is essentially a compilatio of published materials obtained fror online as well as offline resources which have not, to be sure, been comprehen sively acknowledged. Reports, analysis news items, data etc. brought together by India Brand Equity Foundation have been an exceptionally rich mine of information and insights.

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enticità inerrue

hailand' coup-prone military struck for the 18th time in 72 years. Prime Minter Thaksin Shinawatra who had gone to ew York to address the UN General Asembly was forced out of power in Sepember 2006 by a six-man junta headed y the army chief Gen. Sonthi Boonyarakalin. Martial law was declared and the constitution written in 1997 was scrapped. The junta presumably acted with the tacit approval of the King Bhumibol Adulyadei who was said to be saddened by growing political unrest in the country. The last time the military intervened in Thailand was in 1991.

Gen. Sonthi is the firm Muslim army chief in the country where almost 95 per cent of the people are Buddhists. He is said to be very close to the King.

Thaksin who first became premier in 2001 and won again in 2005 was accused of corruption, nepotism and abus power. Faced with mass protests, he a snap election in April 2006 which boycotted by the opposition. The co tutional court annulled the election called for a new election later in the The judiciary also acted at the interven of the king.

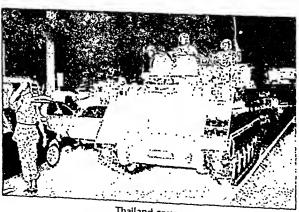
The world's longest-reigning monarch revered King Bhumibol Adulyadei of Thail celebrated his diamond jubilee on the th in June 2006 with days of festivities atter by crowned heads from more than 20 tions.

The 78-year old king was born in the where his father was studying medicine was educated in Switzerland. When he only 18, the throne was thrust on him a his brother Ananda, the then heir-appa died mysteriously in 1946.

The continued relevance of the N

Aligned Movem (NAM) was re firmed at its 14 summit held in vana, Cuba in S tember 2006, Ar vigour was also fused into it shown by the fi declaration issu by the summit.

The declarati condemned Israunlawful policies the Palestinian te tories and its atta



Thailand coup

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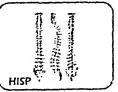
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Lebanon, urged UN to be more represenive of its smaller member nations, suported Iran's nuclear energy plan, conterned all acts of terrorism, called for comtehensive global nuclear disarmament, foused on poverty alleviation and agreed on the need to counter the overwhelming US offuence around the world.

The summit was marked by the meeting on the sidelines between India's Prime Minister Manmohan Singh and Pakistan's President Pervez Musharraf in the absence of convalescing Cuban president Fidel Castro and the blistering attack on the US by Iran's president Mahmoud Ahmednejad and Venezuela's president Hugo Chavez. The summit, the second being hosted by Cuba was chaired by Raul Castro, the acting president and younger brother of Fidel Castro.



Japan has now got its most nationalistic prime minister since 1950s, whom the critics call a dangerous hawk. At 52, Shinzo Abe is also the youngest Japanese prime minister in post-war history. He took over the reigns of the ruling Liberal Democratic Party and the government in September 2006 from Junichiro Koizumi who stepped down after more than five years in power.

Abe is the son of the former foreign minister Shintaro Abe and the grandson of Nobusuke Kishi who was arrested (but never charged) for alleged war crimes and went on to become prime minister in the late 1950s. He is also the grandnephew of Eisaku Sato, another of Japan's most powerful prime ministers.

Like his grandfather, Abe also favours close military ties with the US and fundamental changes in the nation's pacifist constitution. This alarms Japans' war time victims, particularly, China and the two Koreas.

Historian in Jail

The controversial British historian Davidlowing was sentenced to three years imprisonment in Vienna, Austria in February 2006 for denying the Holocaust and the gas chambers of Auschwitz. He was on trial for a lecture and an interview he gave in Austria in 1989 in which he termed the existence of the Auschwitz gas chambers as a 'fairy tale' and argued that Hitler had protected the Jews in Europe.

He was arrested in November 2005 after returning to Austria to deliver more speeches despite an arrest warrant against him.

Austria has Europe's toughest law criminalising denial of Holocaust. The law carries a maximum of 10 years in jail. The other countries which have such laws are Belgium, Czech Republic, France, Germany, Israel, Lithuania, Poland, Slovakia and Switzerland. But in Britain, to deny Holocaust is not a criminal offence.

New Ruler to Kuwait

Shaikh Sabah Al Ahmed Al Sabah became

the 1Sth Amir of Kuwait in January 2006. As prime minister, he had been virtually running the oil-rich Gulf country for many years due to the poor health of both the late Amir Shaikh Jaber Al Ahned Al Sabah, and the then crown prince Shaikh Saad Al Abdullah Al Sabah.

Shaikh Saad had automatically succeeded

to the throne after the late Amir's Shaikh

Jaber's death 10 days earlier. But he was voted

out by the parliament on grounds of being medically unfit to rule. The cabinet later named Shaikh Sabah, a half brother of the late Amir as the new ruler. A liberal reformer, Shaikh Sabah, 79, is known as the architect of Kuwait's foreign policy for the past four decades, both as foreign minister and later as prime minister.

Shaikh Sabah visited India in July. This was the first visit by a Kuwaiti Head of State in two decades. There are over 500,000 Indians working in Kuwait.

Here Comes Montenegro

Montenegro became an independent European nation in May 2006, marking one of the final acts of the dissolution of the old Yugoslavia. The federal republic of Yugoslavia consisting of Serbia, Slovenia, Croatia, Bosnia-Herzagovina, Macedonia and Montenegro was proclaimed in 1945 by the Communist leader Josif Broz Tito and it lasted for over 10 years after his death in 1980. But it began to disintegrate under the Serbian nationalist leader Slobodan Milosevic.

Though the breaking away of Slovenia and Macedonia came relatively peacefully, there were devastating wars in Croatia and Bosnia. Thereafter Serbia and Montenegro remained as Yugoslavia from 1992 to 2003, and was later replaced by a looser federation called Serbia and Montegro. But the relations between them hit rock bottom following Milosevic's brutal repression of the secessionist movement in the Serbian province of Kosovo. The people of Montegro in a referendum in May 2006, voted to separate from Serbia and became an independent nation.

Milosevic who lost a presidential election in Serbia in 2000 was later arrested and handed over to the War Crimes Tribunal in The Hague where he was put on trial for crimes against humanity and genocide. He was found dead in his cell in March 2006.

A New Cold War

A war of words erupted between the US and Russia in May 2006. The US Vice President Dick Cheney started it by accusing Russia of backsliding on democracy and human rights and using its oil and gas resources to



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intimidate its neighbours. He said that opponents of democracy were seeking to rollback the post-Soviet gains. Cheney was addressing the summit of 10 former Soviet Repubnd ex-Communist nations of East Europe

> nius, Lithuania. acting sharply in a speech made in the ian parliament, President Vladimir Putin pared the US (without mentioning its e) to a "hungry wolf that eats and listo no one". He said the US was spend-25 times more than Russia on defence. ussian newspapers compared Cheney's ds to a 1946 speech made by British Prime ister Winston Churchill in the US when aid Europe was being divided by an "Iron tain". According to historians, that speech ialed the beginning of the cold war been the West and the USSR which ended n the collapse of the USSR 15 years ago. urally the Cheney-Putin spat seemed as a binger of the Second Cold War. These inents occurred when Russia was preparing iost the G-8 summit in July.

he president locked in a sex scandal, the

ice minister quitting over a stolen kiss, and prime minister haunted in a property deal. t was Israel immediately after its montha bitter war in Lebanon. In August 2006, police questioned President Moshe Katsav seized computers and documents in a -night raid on his official residence, foling allegations by five of his former fee employees that he had sexually harassed n over the years. One of them also aced that he received bribe for granting sidential pardons, and that he had over-: bank account allegedly set up to collect 1 money.

, long time Likud Party back bencher, the rear old Katsav was elected as the eighth ident of Israel by parliament in 2000 in



a shocking upset over the elder statesm and Nobel laureate, Shimon Peres of the Labour Party

Justice Minister Haim Ramon, 56, resigna over an allegation by a young female sold that he forcibly kissed her during a social gat ering at the defence ministry.

Prime Minister Ehud Olmert, already fa ing public anger over his failure to win the war in Lebanon was accused of benefitir from a massive discount on the purchase price of a luxury apartment he and his wife brough in Jerusalem

A new generation of women started hold ing office as heads of states in 2006. Elle Johnson-Sirleaf, 67, became Africa's fire elected female president when she took oat as the president of Liberia in January. She wo the election held in November 2005 agains the football star George Weah. A former fi nance minister she had worked at the UNDF the World Bank and the International Crisi Group think-tank,

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olent crackdown on anti-monarchy demnstrations took the unprecedented step of eciding to question the King. The governnent and the Maoists agreed to observe easefire and resume talks that had collapsed in 2003.

Sri Lanka Aller Lt. Gen. Sanath

Fonseka was seriously wounded when a LTTE woman suicide bomber blew herself up at the army's heavily fortified headquarters in Colombo. Three months later, the army's deputy chief Lt. Gen. Parami Kulatunge was assassinated in a similar attack on the outskirts of the capital. As fighting between the LTTE and the government intensified, more than 900 people, over half of them civilians died in assassinations, suicide bombings, mine attacks, military airstrikes and naval clashes. Tens of thousands were displaced and more than 4,000 fled to the nearby indian state of Tamil Nadu.

The assassination attempt on the army chief came just two months after the representatives of the government and the LTTE met in Geneva for talks. This was their first meeting since the LTTE's unilateral withdrawal from the dialogue process in March 2003.

The government's

response to the attack on the army chief in April was swift. Air force planes supported by naval artillery pulverised the LTTE positions in the north-eastern parts of Sri Lanka. It was the first of such military actions since the February 2002 ceasefire agreement.

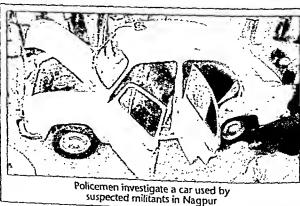
In contrast, the assassination of Foreign Minister Lakshman Kadirgamar in the previous year had not attracted such a response. Since November 2005, Sri Lanka has a new government under President Mahinda Rajapakse who was elected on a Sinhalese nationalist platform.

The LTTE shifted its theatre of operations

The LTTE shifted its theatre of operations to the sea in May when its explosive-laden suicide boats tried to attack a naval convoy comprising a troop carrying vessel and its accompanying naval fast attack craft. The navy and the air force retaliated. Immediately after the assassination of the deputy army chief in June, the military reverted to the security regulations that were in force prior to the 2002 ceasefire, implying that the peace process that began with the signing of the ceasefire pact was dead for all practical purposes.

veror Strikes India Again

India's commercial and entertainment capital, Mumbai was scarred and battered once again by terrorist attack in 2006. Earlier in the year the country's holiest city, Varanasi was targeted. Later came the blasts in the communally sensitive town of Malegaon in Maharashtra.



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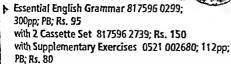
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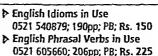


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In a span of 11 minutes, seven bombs ripped through the packed first class compartments of commuter trains in Mumbai, during the evening rush hour on July 11, kill-

ing more than 180 persons and injuring 700.

It paralysed the city and rendered hun-

dreds of people on railway stations and roads, as the Western Railway service was shut down for five hours. But in less than 24 hours the trains that form the transport lifeline of one of the world's most congested cities were again bustling. And once again the people of Mumbai bounced back and millions of commuters started traveling in over-crowded trains as usual. "This is living proof of our contempt for terrorism. No one can make India kneel. No one can come in the path of our progress." - Prime Minister Manmohan Singh said in an addressed to the nation.

Mumbai was no stranger to terrorist attacks, having witnessed its worst in 1993, when bombs placed outside hotels, banks, the Air India building, and the Bombay Stock Exchange exploded leaving more than 250 dead and around 1400 injured.

The banned Students Islamic Movement of India (SIMI) was one of the prime suspects in the Mumbai train blasts. Originally set up as a students organisation in the early 1980s, SIMI got embroiled in allegations of involvement in riots across Maharashtra and was banned in 2001. Subsequently it is believed to have joined outfits like Pakistan-based Lashkar-e-Toiba. Analysts compared the attack with the mass transit bombings in Madrid in 2004 and London in 2005.

Two bomb blasts in Varanasi on March 7 killed 38 people and injured more than a hundred. The first was in the Sankatmochan temple in which several people including the priest and participants of an ongoing wedding were killed. The second was at the Varanasi railway station. Further casualties were prevented because bombs discovered at other spots were defused in time. For these

incidents also the Lashkar-e-Toiba was blamed. Within hours two top LeT operatives were killed in a police raid in Lucknow.

At least 31 people were killed and more than 200 seriously injured when three powerful explosions rocked the communally sensitive town of Malgaon in September. The blasts took place almost simultaneously in the graveyard of the Noorani Mosque and the busy Mushaira Chowk and Ayeshanagar locality. Thousands of people had assembled at the graveyard for prayers on the holy day of Shab-e-Barat. The people who had gathered in the mosque for Friday prayers were also among the casualties. The blasts were termed as terror attack aimed at creating communal tensions between Hindus and Muslims.



The going got tough for the former external affairs minister Natwar Singh following the publication of the findings of Justice Pathak Committee which inquired into the Volcker Commission Report relating to the United Nations Oil-for-Food Progra-





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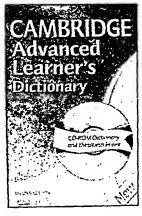
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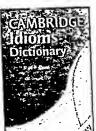
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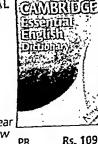
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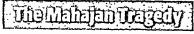
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mme. The Committee found that Natwar, as head of the Congress foreign affairs cell had misused his position to get oil contracts from the UN-sanctioned Saddam Hussein regime for his son's friend Andaleeb Sehgal's Hamdaan Exports. However the report made it clear that neither Natwar nor his son Jagat had received money from anyone. The report also said that "there is not a shred of evidence to link the Congress Party to the said transactions".

The leakage of the report before it was presented to the prime minister was condemned by the opposition parties as well as Natwar Singh. He filed a breach of privilege notice against the prime minister and even criticised him in public. He was promptly suspended from the Congress.

The Volcker report released in October 2005 had said that Natwar and the Congress Party had paid illegal surcharges to the Saddam Hussein regime in Iraq to secure four million barrels of oil which they had later sold in the international market through a Swiss company for a profit. Subsequently, Natwar lost his job as the external affairs minister, but was retained as minister without portfolio. Later he was removed from the Congress Working Committee and had to resign from the Union Cabinet.



One of India's most articulate and resourceful politicians was cut down at the peak of his career. After a valiant 12-day battle for life in a Mumbai hospital, the BJP general secretary and former union minister Pramod Mahajan, 57, succumbed to the injuries he suffered from the gun shots by his own younger brother Praveen Mahajan.

Praveen shot him at point blank range in



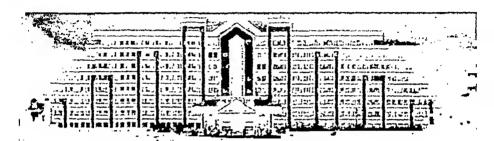
his Mumbai apartment in April 2006, a later explained that he took revenge for ye of humiliation by his brother. He surrender to the police and was taken into custody.

Pramod Mahajan, who was born in a sn town Maharashtrian middle-class family h come to public life through the ABVP a RSS. He attracted national notice in the 19 when he masterminded the BJP's first and most successful alliance with the Shiv Se He served first as the minister for infortion and broadcasting and later as the mister of information technology in the N government headed by the BJP leader A Vajpayee at the cente.

After the NDA fost power, he became of the six general secretaries of the BJP. Clo to big industrialists and businessmen her considered to be the biggest fund raise the party. He was anointed by Vajpayer BJP's Lakshman, meaning heir apparent.

The tragedy struck the Mahajan far again in June when Pramod's son Rahul carried unconscious to a hospital from Delhi official residence of his fat! Pramod's personal secretary Bibek Ma was found dead due to over doze of cog

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They had come to Delhi on their way to Guwahati on the next day to immerse Pramod's ashes in the River Brahmaputra. Rahul was arrested on charges of procuring, consuming and distributing drugs and destruction of evidence.



In a rare incident, an Independent MLA became chief minister of a state. Madhu Koda, 35, formed a coalition government in Jharkhand in September 2006, with the support of the United Progressive Alliance consisting of mainstream political parties such as the Congress and the Rashtriya Janata Dal.



Reflecting the political flux in sharkhand, he is the state's fifth chief minister in less than six years of its existence.

Koda's rise to power followed the collapse of the 18-month old Arjun Munda-led National Democratic Alliance government after it was reduced to a minority in the wake of resignations of four ministers.

Koda had contested the February 2005 eletions as a rebel BJP candidate. But within

a month he returned to the NDA fold, offering his support to the Munda government in return for a ministerial berth.

Alnew Era in Sinoindian Ties

It was a dawn of a new era in Sino-Indian relations when the famous Himalayan pass on the border between the two countries was reopened in July 2006, after a gap of 44 years. It demonstrated the determination of both nations to push forward economic and political cooperation despite the border dispute between them remaining unsettled.

The 4,500 meter high Nathula pass which runs between India's Sikkim state and China's Tibet Autonomous Region was once part of the historic Silk Route that connected Chinawith India, West Asia and Europe. It used to account for 80 per cent of Sino-Indin borde trade before it was closed after a brief borde war in 1962

The reopening of the pass came a little ove a year after China accepted Sikkim as part o India and India recognised Tibet as part o China. China is India's second largest trading partner only after the US. Trade through Nathula pass though on a small scale in the beginning is expected to boost the economies of the land-locked mountain regions o both countries.

The Assembly elections in April-May 2006

placed the Communist Party of India (Marx ist)-led Left alliances in their strongest ever positions in West Bengal and Kerala. In West Bengal, the Left Front which had in power for 29 years since 1977, was elected for the seventh consecutive time, with a whooping three-fourths majority.

While the control of the seventh consecutive time, with a whooping three-fourths majority.

While the Left Front won 235 of the 294

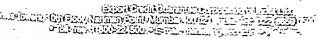
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Rayiawof 2003

Sachidananda Murthy

Resident Editor, The Week & Malayala Manorama, New Delhi

he year 2006 was one of sharp contrasts. While the UPA government remained stable, political class was rocked by controversies. Even as the economy grew rapidly, suicide of farmers and growing rich-poor gap rang the alarm bells, serial blasts on Mumbai ins and attack on temple in varanasi kept e nation on its toes, and relations with Paitan became tense. An aggressive Prime inister showed a new face, but was hobbled , the fetters put by allies and supporters on isinvestment and civilian nuclear deal with te United States, even as George Bush had high profile visit. Reservations in higher ducation became a tough chestnut for the jovemment to handle. The main opposition party was hit by the murder of its chief fund aiser, poor electoral performance, an inefective rath yatra and a mole charge which backfired.

Parliament was in focus as controversies and scandals rocked the edifice to its foundations. Even as Parliament was recovering from the controversy of the MP s who were trapped in the cash for questions scandal, the latest crisis took everyone by surprise. The political system got jolted with the disqualification of Jaya Bachchan, the Rajya Sabha member of Samajwadi Party and it triggered off an avalanche of petitions against members of parliament holding unexempted offices. the controversy sucked into its vortex major politicians like UPA chairperson Sonia Gandhi, Prime Minister Manmohan Singh, Lok Sabha Speaker Somnath Chaterjee and also triggered a constitutional standoff when presi-

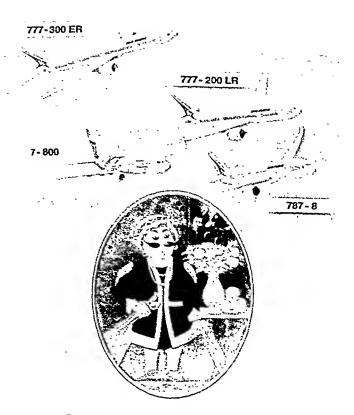
dent A.P.J. Abdul Kalam became the first or cupant of Rashtrapati Bhavan to return a bi to Parliament for reconsideration.

The Office of Profit issue

Stung by the allegations that she was or cupying an office of profit as chariperson the national advisory council, Sonia resigns from the lok sabha, saying her inner voi had advised her to give up the post. She we the byelection with a bigger majority white made her supporters call her a true marty. Other MPs, including Chaterjee refused resign, and instead the UPA and its outsi supporters pushed for a change to a 47 years old law on offices which are exempted.

The country debated on the need to sel rate executive power from Parliamentaña Over the years nobody cared for this prosion and MPs took jobs which conflicted witheir job as lawmakers. The situation worse in states as chief ministers would point every MLA, who could not be mad minister to posts with the rank and privile of cabinet minister.

The Election Commission concludes Samajwadi Party MP Jaya Bachchan had joyed the privileges and powers of chairm Uttar Pradesh Film Advisory Council she disqualified from Rajya Sabha. Political rirushed with complaints against their followed with a complaint and 50 other M the government moved fast with a bil amend the law on office of profit, exerting 43 posts, Including NAC, Srishantiketan Development Authoritical controls.



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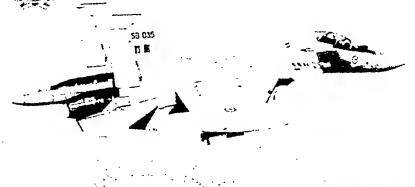
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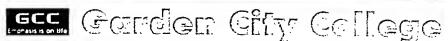


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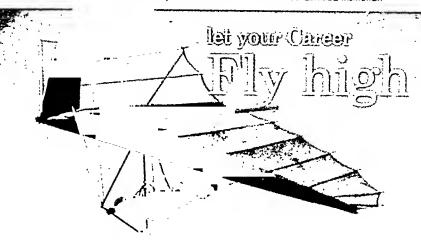
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ity. The Kingis iron handed approach achieved what was thought to be impossible till now - unity between the political parties and the Maoist forces. They found a common symbol of hatred in the King, who had

democratic stability and economic prosper-

held all political and military power. But as people poured into the streets. Gyanendra was forced to restore the Parliament which he had sacked and appoint veteran G P Koirala as the prime minister. The Parliament promptly stripped all powers of Gyanendra

Violence rocked Sri Lanka as the ceasefire

and failed his ministers.

between the army and the Liberation Tigers of Tamil Eelam collapsed. While LTTE resorted to political assassinations in the capital Colombo, the army began a ruthless operation to drive Tigers out of their hard won territory. The peace process, brokered by Norway and supported by India, collapsed as Norwegian monitors withdrew from the ceasefire zones.

Hardliner President Mahendra Rajapakse also moved fast to consolidate power by ousting his predecessor Chandrika Kumaratunge from the key posts of the ruling party. India, ever sensitive to the plight of the Sri Lankan Tamils and its impact on the domestic situation, urged Rajapakse to work towards a federation which promised justice and equity to the Sinhalese and Tamils.

The share market continued its dizzy climb as it crested the 12,000 mark and money flowed into the market. Trade improved and foreign direct investment increased in the non traditional areas. Big investors were steel giants Lakshmi Mittal and Koreais POSCO. The government boldly talked about making the rupee float free within five years. Even as the economy boomed, trade relations developed slowly with the neighbourhood. But the

booming economy also saw the shame of

hundreds of farmers committing suicides in

the Southern states and Make

dal packages were given by Singh, but the agrarian crisis needed much more effort. Despite the government announcing increase

were unable to get out of the debt trap. Spe-

in rural sector and other ameliorative steps. there were concerns that it was not enough. After a long time, the country imported wheat, as the rise in prices of pulses and petroleum products put pressure on inflation. The South Asian Free Trade Agreement

amongst the SAARC countries did not take

off, because of Pakistanis reluctance to give

Most Favoured Nation to India. SAARC grew

with the membership given to Afghanistan

and observer status to China and United

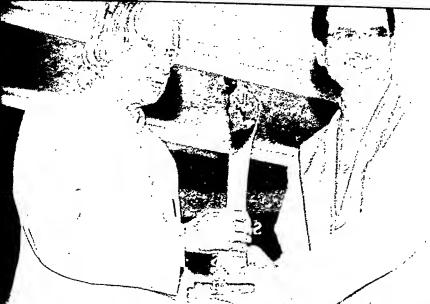
States. The Free Trade Agreements with Thai-

land and Singapore too suffered due to con-

cems on various issues, though Manmohan Singh has made it a part of his trade policy. But economic ties with the Arab world, which had been tepid since the Babri Masjid demolition and the Iraq war, improved dramatically as Saudi King Abdullah made a historic visit to India and a host of leaders from the region came to New Delhi, sometimes first to Bangalore and Hyderabad to see the IT revolution. However Iran was not enthusiastic about

greater oil and gas links with the UPA govemment, as it was peeved about New Delhi voting against Tehran on Iran;s nuclear programme. But Manmohan Singh was clear that India did not want another nuclear weapon state in the neighbourhood and was sure that Iran would calm its anger against India.

Nuclear issues dominated Parliament because of the treaty planned with United States, which was cemented during the visit of George Bush, after a few last minute glitches. The deal got the approval of the US Congress, but the conditionalities suggested by American lawmkaers made the Indian nuclear scientists and the apposition parties



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India Today believes if the state keeps up this pace, then it would be in the front rows of leaders.

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Booker Prize winner Kiran Desai of India displays her book "The Inheritance of Loss," at Guildhall in London Oct. 10, 2006

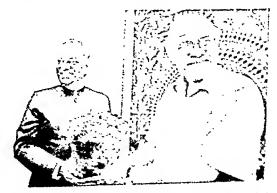


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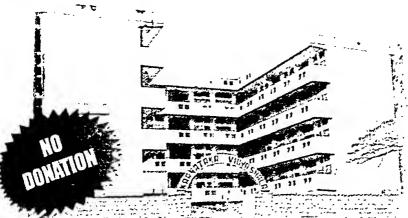
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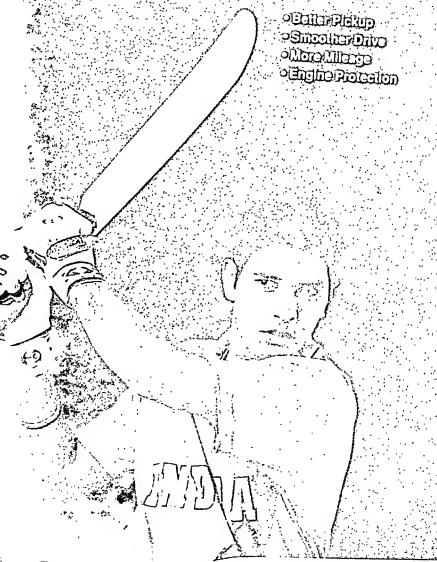
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essing plant in Saudi Arabia £2 m. reward announced in to bolster the Palestinian caretaker government • Singer he hunt for £50 m. British obbery gang • The four Asian Michael George is held in ricketing nations - India, Padrug case; 28. 30 killed in three explosions in Baghdad Sri Lanka Bangladesh - to jointly bid for Bird flu reported in parts of he 2011 World Cup • 54 die Pakistan's NWFP • IAEA says it n Bangladesh textile mill fire hasn't found any evidence A coup attempt by a section that Teheran had diverted of the armed forces in Philipmaterial towards making pines crushed and emergency atomic weapons •2000 Afdeclared; 25. China rules that ghan prisoners resume notall death penalty cases be ing • US provides Pakistan heard in an open court • with new missile to hit terror-NASA's Mars Reconnaissance ist hideouts. Orbiter, launched on Aug. 12, 2005, is nearing the Red Planet; 26. Jamaica to have Portia Simpson Miller as Prime Minister, the first woman head of state • H5 subtype bird flu found in a dead duck in Geneva • Prison riot in Afghanistan, with 1500 prisoners (mostly Al Qaeda and Taliban men) in control of a block of the main jail . Drought hits Kenya's wildlife, cattle and citizens • US Ambassador to UN John Bolton criticises UN for bad managecan consulate in Karachi • An ment and corruption • China Italian investigative commiswarns of bird flu epidemic: sion says USSR was behind 27. According to US Dept. of the assassination attempt on Commerce's Census Bureau. the Pope in 1981; 3. 19 more India with 1.6 b. population killed in Iraq in sectarian will outrank China with 1.4 b. clashes • Emergency lifted in : by 2050 •Sri Lankan President Philippines • Vienna talks be-Pajapakse's electoral allies JVP tween EU and Iran end withand JHU reject the Geneva out any agreement; 5. agreement between Colombo Ramzan Kadyrov appointed and LTTE • The International Prime Minister of Chechnya • Court of Justice opens the . Ninth bird flu death reported Vanorama Yearbook 2007

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March Mittal the 5th Billionaire 1. H5N1 bird flu infects a German cat • 23 killed in a Baghdad car bomb attack • George Bush says that Bin Laden will be brought to justice •Beijing launches campaign to stamp out public spitting and littering, ahead of 2008 Olympics; 2. Five persons killed and 50 injured in a suspected case of suicide bombing outside the Ameri-

leases 121.5 b. euros in aid

and Ang Lee-best director • Former rebel Croatian Serb leader Milan Babic commits suicide • Iran says it will not give up the right to smallscale enrichment • IAEA chief hopes agreement will reached soon to ease Western fears over Iran's nuclear progra-mme • Official enquiry finds no evidence of foul play in the accident that killed Diana • Israel to withdraw from more than a dozen settlements in the West Bank; 7. Bird flu spreads to Russia; 800,000 birds culled; 8. Fiji President Ratu Josefa Iloilo is re-elected •South Dakota state bans abortions •Britain's immigration norms tightened Security council to take up Iran's nuclear case; 9. UN says bird flu will cross the Atlantic to the Americas within a year Iran says the move to send the nuclear issue to Supreme Court is part of a psychological war master- minded by USA and aimed at undermining the nation's clerical rulers Venezuelan national flag undergoes changes - an 8th star

and a turnabout of the horse;

Thai Prime Minister Thaksin

stepped up • Political parties,

media and religious leaders in

Pakistan express dissatisfi-cat-

ion over President Bush's visit

to the country; 6. Oscar

Awards announced: 'Crash' is

best film, Philip Seymour

Hoffman - best actor, Reese

Witherspoon - best actress

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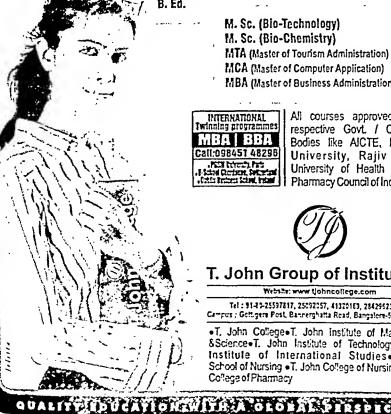


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nounces his trial as a 'comedy' ders 2000 people homeless in bird flu •Shootings •Half the French universities : Innisfail, Australia •Swedish bombings kill 17 in Iraremain closed as protest : Foreign Minister Nepal Supreme Court up against terms of the new job ! Freivalds resigns after criticism contract for young people; i of her handling of Asia's tsu-16. President Bush says relanami crisis •Russia and China

holds the ban on Maoists: 25 Parliamentary election is Ukraine • Opponents to tions with India are on 'a new - sign three deals on oil and ! Thaksin ask Thai King to ap and fruitful path' •The 4th : natural gas cooperation •Pa- 🚦 point a new Prime Ministe World Water Forum to begin kistan test-fire for the second An Afghan man faces pos

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Grand Prix • First anniversary observed in Turkey • Kadima sible death sentence for conof the death of Pope John Paul Party wins Israeli elections verting from Islam to Chris-II • Maoists abduct 56 people •Former Liberian warlord tianity •French students snub in Nepal • Saudi Arabia re-Charles Taylor flown back to Prime Minister's offer for talks duces the reservation for nahis homeland from Nigeria •Lakshmi Mittal's 18.6 billion •Trade unions and students tionals from 30 to 10 percent euro takeover bid for Arcelor in France shun talks with in certain job categories • is blocked by a change in Lux-Election in Thailand •Iran embourg corporate law; 26. Prime Minister: 30. Iran retestfires a new high speed Rebels clash with troops in fuses to comply with Security underwater missile capable of Baluchistan, four killed •Ban Council demand for an end destroying huge warships and on smoking in Scotland; 27. to the uranium enrichment submarines: 3. Australia and UN prosecutor asks Nigerian Hamas cabinet of Palestine President to arrest Charles China sign a nuclear safeled by Prime Minister Ismail Taylor, former President of Haniyeh sworn in •Gold is quards deal •Iran says it will Liberia, to avoid the possibil-\$580 an ounce *Local governtest more weapons in the next few days • Maoists announce ity of his fleeing to evade arment elections in Sri Lanka rest •Biggest share of votes for ceasefire in Nepal • A re-·China overtakes lapan to search team identifies a new pro-Russian Yanukovich, in become the largest holder of foreign exchange reserves in Ukraine •Tony Blair says Iraq source of Nile in Rwanda's the world, estimated at \$854 southern Myungwe Forest and Afghanistan are 'decisive' battlegrounds' for Western billion; 31. China to install a Storms batter eight US states values •Four Poles are kidhuge 35-tonne stone statue of across the Midwest with tornapped by Nepal Maoists Mao Zedong in Tibet • Earthnadoes; 4. Saxony is the ·Suicide bomber blows himquake in western Iran (6.0 worst-affected by floods in self up at an army recruitment magnitude) kills Germany •Scientists in Boscentre, killing 40, in northwest Supermodel Naomi Campbell ton rebuild the bladder, a Iraq •Asian workers in Dubai arrested for allegedly assaultcomplex human organ, are up in arms against poor ing her housekeeper •57 in-•Wen Jiabao is the first Chiliving conditions; 28.Sciencluding 18 Indians, die when nese Prime Minister to visit Fii tists are hopeful that they may a boat carrying 137 passen-•UN says it will take 10 years soon have a pill to treat HIV (gers capsize near Manama. to get rid of the millions of infection •87% of software Bahrain •Iran testfires locally land mines in 82 countries sold in Indonesia in 2005 was made missile •In Sri Lanka. British public tells Tony Blair pirated •Al Qaeda conspirator UPFA sweeps the election to to get out of Irag . Charges Zacarias Moussaoui tells jurors local bodies that Saddam Hussein committhat he was supposed to hi-April ted genocide against Kurds jack a fifth jet airliner on 11/ have been handed to the 9/2001 and hit White House Storms Batter USA prosecution • Astronomers •Pope intends to visit China ! 1. Mars spacecraft begins orsay they have spotted a cloud •US senate panel votes to in- bit • Sayed Sadeq, speaker of of alcohol in deep space that crease H-1B visas to 300,000 a northem Afghan provincial measures 463 b. km across a year: more visas for nurses ! legislature, shot dead by uni- French Open winning men and agricultural workers, ille- 4 dentified gunmen; and women champions to get gal aliens in USA are nearer to a Fernando Alonso wins the equal prize money •Women citizenship; 29. Solar eclipse : Australian Formula One in Kuwait vote and run for of-Managama Vandante

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over claims that he had copied the idea of The Da Vinci Code' from another book •V. Vigne-swaran, a pro-LTTE Tamil activist, shot dead in Colombo •Over 750 held in Nepal on the second day of Opposition strike.8. Pakistan to go to the polls in February 2008 •Five inspectors from IAEA arrive in Iran to inspect the uranium enrichment and reprocessing facilities •Bomb kills four in Baghdad •A. Lukashenko of Belarus swom in President the third time • Protester shot dead in Nepal 'Casablanca' named No.1 on the list of 101 Greatest Screenplays, by Writers Guild of America; 9. Brazil's first astronaut Marcus Pontes carried by Soyuz space capsule is back home from ISS; 10. Explosion | Qader Khan • Chad to cut off Manorama Yearbook 2007

nce for the first time, in a fo-

cal by-election; 5. US Secre-•French President drops the tary of State asks for Congress controversial labour law •In support for the nuclear pact Peru, no candidate wins 50 with India . Thailand Prime per cent of votes; runoff in May •Exit polls predict victory Minister Thaksin Shinawatra resigns; Chidchei Vanasatidya for Romano Prodi in Italian elections; 11.45 die in a blast is interim premier • Nepal government arrests about 150 at a park in Karachi •Romano persons and clamps night cur-Prodi claims a knife-edge vicfew in the capital in an attory in Italy's election • Roche tempt to thwart the anti-king launches its anti-lung cancer general strike; 6. Luxembourg drug Tarceva •Iran enriches drops a proposed change in uranium to the 3.5 percent its takeover laws that would level needed to fuel nuclear have helped Arcelor fend off power stations • Japan Princess Mittal Steel's \$25 b. takeover Aiko starts kindergarten •US bid • Gold zooms to \$600 an says King Gyanendra of Nepal ounce • 69 die as boat caphas failed to solve the sizes off Djibouti; 7. Dan country's problems . Non-Eu-Brown wins the legal battle ropean doctors in UK must have work permit, say new rules •EU increases pressure on Palestinian government to recognise Israel by suspending all direct aid •lsraeli Prime Minister Sharon is declared by cabinet as permanently incapacitated •LTTE listed as terrorist group by Canada; 13. Iran again refuses UN call to suspend uranium enrichment activities in 30 days •LTTE calls for postponement of Geneva talks •IAEA chief El Baradei calls for a political solution to end Iran's nuclear crisis; 14. Nepal's political parties reject king's renewed pledge to hold elections •Chlna relaxes foreign exchange control •US claims to have broken up the nuclear proliferation network of Pakistan nuclear scientist

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Taliban men killed in a battle with security forces in south ern Afghanistan •Democracy activists seek Nepal King's exit 17. Army deployed in Nepa to ensure that food trucks reached Kathmandu on the 12th day of a strike •India-S Africa trade records a 75 p.c. increase •Oil hits \$70 a barre on fears of US action against •China's economy records 10.2% growth in Q1; 18. Crude oil surges to \$ 70.65 a barrel; 19. Saudi King may mediate between India and Pakistan • South Korea has its first woman Prime Minister in Han Myeong-Sook •Blasts in Lanka claim 10 Nepal violence claims sixth victim •France says Iran with nuclear weapons is unacceptable; 20. Thousands take to the streets against the King in Nepal •Chinese President Hu Jintao has discussions with George Bush in Washington; 21. 40 persons drown in Bangladesh bus crash • Protesters in Nepal want the King to leave the country •Talks between South Korea and Japan on a dispute over the Dokdo islets fail •Indian doctors in UK protest against new immigration rules •Sweden goes green aiming to phase out nuclear power and end dependency on fossil fuels Milton's Paradise Lost to be turned into a movie epic; 22.

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Chinese flee Solomon Islands scrap the title 'Mademoiselle' cial tensions in Fiji as gener for young unmarried women elections approach •Protes in the wake of unrest •Nepal's political parties reject the •IAEA says Iran is continuing in USA against changes in th King's offer of transferring uranium enrichment •A Pak immigration law •Asian blo court bans cable operators executive power to the (India, Pakistan, Sri Lanka people: 23. Michael from showing 'Taj Mahal', Bangladesh) to host 201 Schumacher wins San Marino being screened in theatres Cricket World Cup •10 millio Grand Prix • Russia begins de-•Parliament of Nepal meets people are affected b ploving advanced air defence for the first time in four years drought in China; 2. Accord systems in Belarus near 1 Kaavva Viswanathan's novel ing to IUCN, the number of How Opal Mehta Got Kissed NATO's eastern border •Sri threatened animal and plan Lanka calls upon the intemabeing recalled from store species has risen to 16,11 tional community to exert shelves, after she admits to •Canada orders a public er pressure including copying passages from anquiry into the 1985 bombin sanctions on the LTTE; 24. other book; 29. Pakistan of an Air India plane; 3 Former Prime Ministers 1 testfires its nuclear-capable Kaavya Viswanathan's two Benazir Bhutto and Nawaz missile Shaheen II •Malawi book deal cancelled by put Sharif plan to build a strategy Vice President arrested on lisher Little, Brown& Co., a. to restore democracy in Patreason charges • Russia warns ter allegations of literary box kistan • 22 dead and 150 hurt NATO against deploying rowing proliferated An Ai in blasts in Egyptian resort forces in Eastern Europe and menian passenger jet crashe Dahab • Hannover Fair, opengranting membership to into the Black Sea off Russi ing today, has \$175 exhibitors Ukraine and Georgia killing all 113 on board •Vai from 66 nations, 25. Sarath •Hyundai chief Chung Mong-Gogh's "L' Arlesienne, Ma Fanseka, Commander of the Koo arrested, on charges of dame Ginoux" portrait of Sri Lankan Army, survives asembezzlement •Iran President french cafe owner sells fo sassination attempt inside the says the country will master \$40 m.; 4. Maoists in Nepa Army Headquarters; eight nuclear technology at any say they are ready to hold killed as a woman suicide cost •China ratifies pact on peace talks with Governmen bomber blows herself up; situnuclear wastes •Football club Arcelor says it would con ation tense in rebel-controlled Chelsea is crowned champion sider Mittal Steel's takeove eastern Trincom-alee district • of England; 30. Swedish King bid if the order is large 17 US States now have no-Carl Gusaf's 60th birthday enough and made in cash smoking laws; 26. Maoists lift •G.P. Koırala is sworn in •Fiji's military commande. their blo-ckade of Kathmandu Nepal Prime Minister •Coal Vorege Bainimarama advises and all distnct headquarters, mine gas explosion in China's troops not to vote for the rulin response to G.P Korrala's Yanan city kills 24 •Outgoappeal; 27. Over 100,000 ing United Fiji Party; 5. Ausing Italian Prime Minister tralian swimming star Giaar people meet in Kathma-ndu Berlusconi announces his resto hear party leaders on their Rooney, 23, retires to begin a ignation. plans for the country •India new career as a TV presenter May rejects Pak proposal to de-•BRIC countries with \$ 1.3 trilmilitarise J&K by pulling out lion surpass G7 in forex-gold Gasline Explosion in Nigeria heavy artillery; 28. A feminist holdings •Margaret Beckett 1. Seven killed in Sri Lanka group in France wants to replaces Jack Straw as British in two separate attacks •Ra-Foreign Secretary •Sudan Manorama Yearbook 2007

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overnment and the largest Nepal •Fighting between mi-Arab leaders discuss new part-Darfur rebel group Minni nership projects •Gunman litias in Somalia, 122 die: Ainnawi's agree to sign a storms Turkey's apex court in Thousands flee Moqadishu; eace plan; 7. Asia Pacific BPO kills a a judge 12. Gas pipeline explosion re-Ankara and narket likely to touch \$14 b. sulting from villagers collect-*Paul McCartney and wife y 2010 •Chinese airlines are Heather Mills to part ways ing fuel from the ruptured expected to double their fleet ·Gang violence toll in Brazil conduit kill over 200 in Nigeto over 1500 aircraft by 2010 since May12 reaches 133; 18. na •Britain replaces US as the Political appointments made publisher of most new books 59th Cannes Film Festival by Nepal King Gyanendra inopens «Nepal's Parliament dein English •Ethiopian capital validated •Berlusconi, Italy's Addis Ababa is rocked by excides to drastically control the outgoing Prime Minister, alplosion; 13. Russia to make King's political and military leges persecution by Leftpowers by stripping him of wing adversaries •Sudan may rouble fully convetiable by accept UN Darfur force •In mid-year • Zimbabwe's annual the title of supreme commander-in-chief of the army, inflation rate soars to above case of further pressure, Iran says it might pull out of NPT 1000 p.c. •Russian to halt all asking him to pay taxes and •In a chopper crash in Basra, defence cooperation •Indobarring him from convening nesia's Merapi volcano erupts; it; Nepal to be a secular state five British soldiers are killed 14. Taliban's claim that Indian Mittal launches its takeover •FAO forecasts a fall in world cereal production; 8. Gold at engineer Suryanarayana was offer for Arcelor *Bill Clinton 25-year high in global market killed at the instance of the ISI to write a book on citizen ac-- \$682 • Analysts forecast refuted by Pakistan •10 die tivism and service for pub-2007 oil prices around \$58 a in Lanka violence •Tony Blair lisher A.A. Knopf •Prime Minbarrel •Iran President writes to plans to step down next sumister Prodi wants Italy's troops President Bush to end the 26mer; 15. WHO is alarmed by out of Iraq •Taliban raid in Afyear hiatus between the two; the statistics that over 3,300 ghanistan kills 53 • Fiji Prime 9. Forbes magazine names people in the Western Pacific Minister Laisenia Qarase Jackie Chan as one of the 10 region die daily of road traffic swom in, second time •Pakimost generous celebrities accidents, suicides and stan bans Bollywood actor •Lakshmi Mittal agrees to redrowning •Venezuelan Presi-Feroze Khan's entry into Pakivise his offer for Arcelor takedent Chavez in London; 16. stan; 19. UN tells US to close over upwards •'Save the Chil-Earthquake of 7.5 over 700 secret prisons •Fiji's opposidren' report says each year 2 km. north-east of New tion Labour Party accepts m. babies die within 24 hours Zealand under Pacific Ocean PM's offer of seven cabinet of birth in the developing •Mark Inglis of New Zealand, posts •EU parliament asks world; 10. Russian President a double amputee, conquers members to freeze the ac-Putin calls for a dramatic the Everest •US to restore full counts of LTTE •28 Vietnambuilding of the country's derelations with Libya •Jacob ese fishermen die in storm •A

Gyanendra's absolute rule in

Allianti natenten - erimo an

2004 to be made by merger;

20. A typhoon that raked the

South China Sea kills 104

people •iraq has a new gov-

emment, with Prime Minister

fence •Georgia Napolitano is Zuma reinstated as deputy film on the Beslan crisis of the new President of Italy president of South Africa's rul-

ing party ANC; 17. Romano

Prodi sworn in Italian Prime

Minister •No-trust motion

against French Prime Minister

 Commission to investigate abuses of power during King

•Russia has 100,000 alcohol-

ics aged 14 or younger

Murial-Maliki •EU calls upon world powers to help Iran's nuclear and other industries if Teheran stops enriching uranium; 21. Euronext and NYSE plan a \$20 bn merger; 22. 'Col.' Ramanan, senior commander of LTTE, killed • Da Vinci Code reports success at box office •60 Taliban fighters killed in US-led coalition's air strike in Kandahar •WHO Director General Dr. Lee Iongwook dies after a surgery • Montenegro votes for independence in a referendum; 23. 17 killed in attacks in Iraq Moroccan athletics legend Iticham el Guerrouj announces retirement . Consumption taxes in India and China are the highest among Asia-Pacific countries; 24. Economists say that oil may top \$100 a barrel if a new shortfall were to hit the tight crude supplies •Fiji opposition joins cabinet •100 feared dead in floods in Thailand •Fire at Istanbul airport; 25. Former Enron chief executives Kenneth Lay and Jeffrey Skilling found guilty on charges of fraud and conspiracy in the 2001 collapse of the company •Malaysia to issue multiple-entry visas for Indian and Chinese tourists •Clashes between radical 1slamic forces and a US-backed warload alliance kill 38 people in Mogadishu •3000 people flee their homes in southern Alghanistan following heavy fighting between Taliban and Epress ahead

security forces •Five Kuwait women become the first females register candidates for parliamentary elections; 26. Michael lackson goes to Tokyo to receive MTV Video's Legend Award •H1-B visas doubled from the present 65,000 • Government Maoists talks begin in Nepal; 27. Earthquake measuring 6.2 rocks Yoqyakarta in lava, killing about 3000, as per first reports •NAM institute for the Empowerment Women being set up in Malaysia to be operational by Sept. Russia's stee-Imaker OAO Severstal merges with Arcelor: Mittal to

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with his Arcelor bid . Kuwait plans to introduce income tax flat rate of 10 p.c. on everybody generating income proposed •VW is recalling 362,000 cars because of a brake light switch problem ·Michelin head Edward Michelin, 43, dies in a boat- : ing accident •Hundreds of Sotake forward their dialogue process *Palestinian President Abbas calls for a referendum on a unity plan to end the power struggle between his Fatah group and the Hamas

porate history owing to writedown of assets bought at the height of the telecom bubble •Pop diva Mariah Carey Insures her legs for a billion dollars •Singapore evolves a strategy to record 117 m. visitor

and embezzlement • Voda-

phone reports the biggest

annual net loss in British cor-

fully convertible from July 1 •Java earthquake toll is 5,700 .British House of Lord's ruling says homemaker and breadwinner are equal partners and so entitled to equal share in family's assets at divorce •US calls more troops for Iraq; 31. Deterioration in the security

situation resulting from rivalry

between Shia factions in

Basra, Irag's second largest

city; Oil exports face a threat,

arrivals and achieve 30 b.

Singapore dollars in tourism

by 2015 •Russian rouble to be

join talks with Iran. June Mittal-Arcelor Merger 1 Japan's birth rate drops

to a record low of 1.25 babies per woman in 2005 •Iran welcomes talks with USA but

rejects the condition that Teheran suspend nuclear enrichment •java earthquake toll is 6200, 2. Maoists stage public rally in Kathmandu •NYSE to buy Euronext for \$9.96 b. in

cash and stock Nissan Mo-

tor Co. and Suzuki Motor

and her husband Zardari government reaches the c on the much in demand F B visas for 2007 • Thousan in Taiwan demand Preside Chen's resignation followi an insider trading scandal volving his son-in-law; 4. In hints that if USA makes 'wrong move', oil supply m be disrupted . Gunman k 21 persons including 12 s dents in sectarian attac *Indonesia's 37th death fro bird flu confirmed; 5. In Pe

Corp. sign agreement to e

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tion, which is a shot in the ar

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Lipsky is IMF's First Depu

MD •Katharine Close, 13,

New Jersey wins Nation

Spelling Bee spelling the wo

"Ursprache" - the first fema

winner; 3. Pak court issues

rest warrants against Bena

as smuggling causes decline Alan Garcia wins another te in revenues *USA is ready to in election •World Newspar Congress opens in Moscov Shanghai Cooperation Ore nization (SCO) is not an 'o ental' NATO, says SCO S Zhang Dequang • Preside Bush declares his support a ban on gay marriage; Demolition of the last coff dam upstream of the Th

Gorges Dam is complete Hundreds protest Mogadishu against an Islan militia takeover of the c after weeks of bloody fight with US-backed secular w

lords; 7. 594 prisoners

leased in Iraq •UAE may

malis flee Mogadishu, after a day of fierce battles •Clashes in East Timor nearing a civil war situation •Aung San Suu Kyi's detention extended; 28. lava earthquake toll is around 5000; international aid pours Nepal government finalises a 25-point code of conduct with the rebels to

government •The \$4 b Baku-

Tbilisi-Ceyhan oil pipeline to

come as stream in a week

Papua New Guinea and

Tonga rocked by earthquake,

29. At Cannes, 'Palme d' Or'

prize goes to British director

Ken Louch for his film The

Wind That Shakes the Barley

.China to ban smoking at

public transport +33 killed in

blasts in Iraq •President

Alvaro Uribe of Colombia wins

second term *Pope visits

Auschwitz *Rioters in Kabul

torch cars and buildings, 30.

Daewoo Group founder Kim

Woo-Choong sentenced to

10 years in prison for fraud



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cide to give a six-year restare on a collision course, as CHILLES DACK BY PRODUCT AND war; 16. Bill Gates announce Israeli peace activits demondence visa for unskilled forhis intention to leave his ful strate against the Israeli killing eign workers; 8. Ai Qaeda's time role at Microsoft •Tor of seven Palestinians picnickchief in Iraq Abu Musab-aling on a Gaza beach; 12. is-Cruise Is No.1 on Forbes li Zarqawi killed In an airstrike • of world's 100 most powerfa rael steps up threats against J.K. Rowling voted the greatstars •Chinese President say Palestinian Prime Minister • est living British writer in a China is committed to forg survey, followed by Terry Pressure mounts on US to ing a long-term strategic co close Guantanamo Pratchett, Ian Mcewan, operative partnership with It prison • Arcelor rejects Mittal's Salman Rushdie, Kazuo dia •40 militants killed in ant new offer; 13. Lord Browne, Ishlguro and Philip Pullman Taliban action in Afghanista CEO of BP, says crude oil price •China bans Da Vincl Code • G.P. Koirala governmer may fall to \$40 a barrel . entrepreneur lapanese and Maists agree to shar General strike in Bangladesh Dalsuke Enomoto to be power in an interim Nep to press for electoral relorms, world's lourth space tourist, government; 17. Pakistan i violence reported • President who would fly to ISS in Sep-Bush makes a surprise visit to field a candidate for UNSO tember • Colombia-LTTE talks 18. Japan wams North Kore Iraq • Al-Qaeda names Abu at Oslo remain a non-starter of a 'harsh response' from To as LTTE 'relases' to meet the Hamza Al Mujahir as Zarqawi's successor in Iraq . The only kyo and Washington if It fire government delegation; 9. The 2006 World Cup opens Indian temple in Lahore dea long-range missile *Iran sa In Munich, Germany beats molished to pave the way for direct talks with US over Ira a multi-storeyed commercial Costa Rica 4-2 . The fist vacare impossible; 19. Aung Sa cine, Gardasil, to prevent cerbuilding; 14. Security mea-Suu Kyi, who is under hou: vical cancer wins US FDA ansures in Baghdad strengtharrest, turns 61; 20. Merr proval . Tony Blair says he is ened with tens of thousands Lynch World Wealth Repo not aiming for UN Secretary of extra-personnel deployed says the number of million General's job •Norway blames throughout Baghdad . Fresh aires around the world rose LTTE for failure of peace talks evacuations from village near 8.7 m. over the past ye Survey says most Russians volcano Mount Merapi; 15. Most courteous city want Putin to serve a third India's Shashi Tharoor nomi-Reader's Digest survey is Ne term; 11. Nepai Parliament nated for the post of S-G, UN York, and the rudest strips the King of his right to • Blast In a hus kills 64 civil-Mumbal •Nicole Kidman veto laws . Opposition's ians In Sri Lanka •Series of exmarry country singer Kei 'Dhaka siege' demanding plosions rock the southern Urban • Conservatives are u electoral reforms leads to poprovinces of Thailand . Govhappy over the selection of lice action • Fernando Alonso emment and Maoists agree woman Archbishop for t wins British Grand Prix on Kolrala - Prachanda meet Episcopal Church • Japan Three detenus Major antl-Taliban operation in the withdraw all soldiers from Ira Guantanamo Bay Navy Base in Alghanistan • Maoist rebel •China wants an Asian commit suicide • Sierra Leone chief Prachanda tells Nepal UNSG; 21. Saddam Husseir resents US-British plan to King to abdicate or face exlawyer Khamis Al Obeidi killi move Charles Taylor's war ecution • Britain ollers to jail •150 die In Indonesian floo crimes trial from Fectown to former Liberian President Tay- Bush is for closing Guant the Haque . Israel and Hamas ! for If he is convicted of war namo prison; 22. The pair Manorama Yearbook 2007



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moons orbiting Pluto are tion in Kuwait, women vote euro per Arcelor share; 26. J.K. named Nix and Hydra •The the first time •GM to laund Rowling reveals that Harry dismissal of 600 'rebel soldiers mini car in India next y Potter might be killed off in from the 1400-strong military •Floods in north-east US kill the seventh book in the series by East Timor Prime Minister Arrest of several senior Har •Mittal steel and Arcelor to Alkatiri in March now develform a steel entity comprising leaders; Israeli jets fly o ops into a rift with President President Assad's summ world's two largest steel com-Gusmao •Red Cross and Red panies •World's second richpalace • Russian steelma Crescent movements extend Sever-stal's may drop Arc est man Warren Buffett to membership to Israeli and donate 85 p.c. of his \$44 b. bid for \$176 m; 30. Palestinian relief organisafortune (at \$ 1.5 b. a year) to merger of Mittal Steel v tions. Red crystal emblem Bill and Melinda Gates Foun-Arcelor is now certain, as adopted for Israel's MDA; 23. dation • East Timor Prime Minjority of Arcelor sharehold Chinese military personnel decide to say 'no' to Sever ister Alkatiri quits; 27. witness a war game soley conducted by US Army, for the Ronaldo scores his record offer •Pakistan not to acc MFN status to India as we first time •22 die in bombings 15th World Cup goal •Blasts in Iraq •Seven arrested over tariff concessions due un in markets in two Iraqi cities an alleged plot to blow up the kill 40 •Nguyen Tan Dung is SAFTA which becomes on Sears Tower In Chicago elected Vietnam Prime Ministional on July 1 • Dutch Pr •Agreement signed in Somater •China bans use of tiger Minister J.P. Balkenende parts in traditional medicine lia between government and signs •Israel attacks Gaza v a faction that controls •111 rebels killed by govern-30 air raids •Russia s Mogadishu •World's oldest ment forces in Ethiopia •Israel Ukraine sold banned lo tortoise Harriet dies at 176 masses force near Gaza• range missiles to China years in Australia; 24. Nearly Ousted Prime Minister Alkatin's Iran. 150 suspected Taliban fightsupporters torch buildings in ers have been killed since July East Timor; 28. France dislaunching the major operaplaces US as the world's top World's Highest Railw investor abroad in 2005, says tion in southern Afghanistan •WHO finds that the first con-OECD •Pakistan may field 1. Qinghai-Tibet raily firmed case of human-to-hu-Maleeha Lodhi for UNSG's the world's highest and lo man transmission of bird flu post •Michael Jackson is movest highland railway, beco issue was that of an Indoneing to Europe to resume his operational •England cra sian who died after catching out of the World Cup; Arg music career • lackie Chan to the virus from his 10-year-old give half his fortune to charity tina loses to Germany • son • Vietnam Prime Minister Montenearo becomes the first-ever Beijing Lhasa Exp Phan Van Khai to resign 192nd member of United Naleaves Beljing at 9.30 p.n •Prachanda of Nepal protions; 29. The micro car reach Lhasa at 9 p.m. on poses merger of Maoist army 'Smart' made in France, has 3 •WTO talks fail •Brazil with Nepal army •A memotwo seats and gives 17 km per velops a new biofuel thro

litre, is displayed in Detroit •Sri

Lanka to make knowledge of

Sinhala and Tamil compulsory

by Palestinian militants •Mittal { for recruits to public service at

rial for the Kanishka victims to

be built in Toronto; 25. Israeli

soldier Gilad Shalit captured

makes a fresh offer of 40.37

all levels •Parliamentary el

a vegetable oil blend

killed in a car bomb bla

Iraq •ULFA says it is read

direct talks with the centr

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Italy, admits he insulted invades Gaza •Spaceshuttle tassi's career • African Union Zinedine Zidane before 'Discovery' closes -in on ISS; mmit in Banjul, Gambia 7. Crude oil price tops \$75 a Zidane head-butted him in ose Ramosttota, Nobel barrel •Lukas Podolški named the World Cup final •Sunnis ace Prize Winner, being end their boycott of Iraq's par-World Cup's crown prince insidered for Prime Minister liament •Train accident kills Percy Sonn is new ICC Presi-East Timor; 2. Gold may 33 in northern Bangladesh; dent •Toll in explosives blast p \$700 an ounce again this 12. China's Liu Xiang gets a in China is 47 •Rift between ear, says GFMS •Office of Palnew world record in 110 m. Sri Lankan President and opstinian Prime Minister position UNP widens; 8. hurdle at 12.88 sec. • aniyeh blasted •Saddam Segolene Royal and Nicolas lussain's wife and daughter, Amelie Mauresmo is the first Sarkozy reported to be worldoth living in exile, are on a French woman in 81 years to be presidential candidates in ew list of most wanted figwin the Wimbledon singles France • ADB disburses over ıres in Baghdad •Earthquake title. She beats Belgium's Justine Henin-Hardenne; \$11 m. for fighting bird flu of 5.3 magnitude hits eastem Indonesia; 3. Seven killed 9. Russian passenger jet bursts •Israel launches raids on Lebainto flames while launching at non •Muslim Conference Sri Lankan violence Irkutsk, Sibena, killing more Prachanda calls his cadres to wins half the seats in PoK Assuspend the actions of the than 122 people • Major Gensembly election •Ashwell 'people's court' in Nepal • Rieral Nanda Mallawarachchi is Prince becomes the first nonval candidates claim victory in Sri Lanka's acting Army chief; white player to lead 5. Africa Mexican presidential election; 10. Italy beats France 5-3 to in tests; 13. Toyota recalls 4. Finland broadcasts news in win World Cup football 367,500 US Highlander and Latin • Pakistan to get 36 F-16s •Roger Federer is Wimbledon Lexus RX spark utility vehicle from US •First World Summit men's champion - the fourth to fix faulty clips that may of Religious Leaders in Mossuccessive win •Ramos Horta cause a console panel to fall cow is attended by 200 repswom in East Timor prime on to the accelerator; 14. resentatives from 40 countries minister •24 killed in Iraq at-Banks of Japan hikes increst •Number of internally distacks •China, Pakistan to rates-key rate is now 0.25 p.c. placed people due to conflict renovate Karakoram Highway against zero •16 killed in rein Sri Lanka rises to 3 lakhs; •Pak plane crashes into the newed violence in Sri Lanka EU announces Euros 7 m. in field in Multan killing 45 •Co-•Oil prices cross \$7B a barrel aid; 5. North Korea testfires a lombian driver Montrya to •Pakistan says Indian Prime series of missiles including the leave Formula One •27 killed Minister's comment that international Taepodong -2: in fighting in Somalia . Mumbai bombers had re-UN holds emergency meet on Chechen rebel leader Shamil ceived help from 'across the North Korean missiles •'Dis-Basayev reportedly killed. border' was baseless; 15. Iscovery' launched •Prince Tui Basayev is the most wanted warplanes pound Pele Haka of Tonga and his man in Russia responsible for Hezbollah's South Beirut wife die in car crash near San Beslan school hostage massastronghold •Gunmen kidnap Francisco; 6. PM Bucko-vski cre •A report says violent rac-Iraq's Olympic chief •Russia concedes defeat to Opposiism is on the rise in Russia; 11. and US to expand nuclear ties tion in Macedonian parlia-Tobacco will kill 1 b. people with India; 16. Gabriela

tinian civilians killed as Israel

adal marks the end of Andre

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progress in Beirut *Serena to win the same Grand Prix Williams, back after a six eight times; 17. G8 leaders month lay-off, scores a victory meeting at St. Petersburg ex-•6,2 magnitude quake strikes press solidarity with India Indonesia, coasts of west lava where terrorist action crippled and South Sumatra alerted Mumbai on July 11 and ex-•Israeli bomb blitz kills 54 in press determination to continue fight against terrorism Lebanon •Nepal to hold con-•US space shuttle Discovery is stituent assembly election by back after 13-day mission, mid-April; 20. French foot landing In Florida • Prime baller Zinedine banned for Minister Manmohan Singh three matches for head-buttholds talks with President ing Italy's Marco Materazzi. Bush at St. Petersburg - India who gets a two-match ban is convinced that US has no Bill Gates to give \$287m, to help 165 scientists in 19 counintention to go beyond the scope of the Indo-US nuclear tries who work on an AIDS deal •Over 170 killed in floods vaccine •Third day of fighting in South China; 18. Java tsubetween Israeli troops and nami death toll mounts to Hizbollah fighters of Lebanon •42 die of bird flu in Indone-340; 200 are missing; over 54,000 are displaced •Mittal sia; 21. Israel mobilises reserv-Steel acquires 50 p.c. of ists to reinforce units fighting Arcelor shares •China's Hezbollah gunmen in Lebaeconomy grew by 10.9 p.c. In non •Crude oil is above \$74 the lirst half of 2006 •UK bans •30 persons in Europe die In Islamist militant group Alheat wave •Khmer Rouge Ghurabaa and the Saved Sect leader Ta Mok dies • Hizbollah . Death toil from rainstorms chief rules out unilateral reand floods in China rises to lease of kidnapped soldiers 198 •Following fierce fighting •China's death toll from tropibetween Israel and Lebanese cal storm Bilis more than militant group Hizbollah, Indoubles to 482; 22. US to ternally displaced Lebanese speed up delivery of precision Manorama Yearbook 2007

Gianni Clerici in the Hall of

Fame on Newport's grass

courts •Tropical storm kills 48

in China *Pakistan says

Benazir and Nawaz Shariff

can't contest polls •Putin

wants India and China in G-8

· Ferrari's Michael Schuma-

cher makes Formula One his-

tory in France as the first driver

Yunnan province kills 8; 2 allow gambling ads on TV Saddam Hussein hospitalise ·Evacuation of foreigners in after 16 days of hunger stri American Floyd Landis Tour de France champio •UN says the devastation Israel air strikes in Lebanon horrific • Earthquake (6.1) h Indonesia's Sulanesi Island killed in Iraqi blasts •Cub Castro President aı Venezuela's Hugo Chavez to the Argentina boyhood hor of legendary guerilla C Guevara; 24. Miss Puer Rico Zulevka Rivera Mendo is named Miss Universe in L Angeles •Indía blames t

developed countries for t

failure of the WTO talks •Ai

tralian government issues

rallying cry for its citizens

have more babies •Tio

Woods wins British Open G

Championship •Nepal ab

ishes Military Secretariat •B

flu reported in Thailand • He

wave kills 10 in California; 2

Woshington Post reports th

Pakistan is building a pow

ful new reactor for produci

plutonium •Scientists find e

dence of giant hydrocarb

lakes on Saturn moon Til

•india's Shashi Tharoor a

South Korea's Ban Ki Mo

private firm in Virginia offe

a trip to space for \$ 35m.

new James Bond novel to b

published in May 08, to ma

the centenary of Ian Fleming

birth •Ethiopian military pe

sonnel land at a Somali airba

·Earthquake in China

lages, and foreigners await

evacuation •Blast kills 53 in

Iraq •A Pakistan court issues

arrest warrants for Benazir

Bhutto and her husband for

allegedly submitting false as-

set statements to the election

commission; 19. Britain to

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against his will •An Israeli air strike kills four UN observers In South Lebanon •UNSC

emerge key contenders for

UNSG in the first informal poll

held by SC; 26. In California,

triple digit temperatures con-

tinue for the ninth day •Ty-

phoon Kaemi batters east

China's Fujian province,

claims nine lives • Mittal Steel

acquires 92 p.c. of Arcelor

shares •Saddam Hussein says

he was brought to court

condemns Israeli attack on a

UN observer post in Lebanon

which killed four peacekeep-

send more troops to Iraq

•Nine Israeli soldiers killed in

fighting with Hizbollah; 27.

US House of Representatives

ers •EAS countries express concern at the collapse of the Doha round of global trade talks'. Number of Iragis killed in war-related violence since the new government took over is put at 10,867 •US to

votes for legislature providing greater access of sensitive nuclear technology to India •27 killed in Baghdad blast •Russia to sell Venezuela weapons worth \$3 b. •Nine

killed in a new wave of Israeli attacks *Prime Minister Manmohan Singh calls for immediate halt to violence in Lebanon •EU Trade Commis-

fearing Israeli campaign on

sion Peter Mandelson blames the US for the WTO fiasco; 28. Finland to pull out of the Sri Lanka Monitoring Mission on cabinet approves a legislature grounds of security •People aimed at ending gender bias

•51 Lebanese killed, many of them children, in Israeli warplane outrage • Fire in Bahrain building kills 16 Indians from Tamil Nadu; 31. Israel suspends air strikes on Lebanon for 48 hours *UNSC orders Iran to halt its nuclear programme by Aug.31 •Australian Prime Minister John Howard to seek a 5th successive term in 2007 election. August Fidel Castro steps down temporarily 1. Cuban President Fidel

in monarchy . Govt. orders a

Srì Lankan troops capture a key reservoir in the north-east and kill 40 Tamil Tigers •20 Taliban fighters killed in Kabul Castro steps down temporarily after intenstinal surgery, handing over power to his brother Raul Castro *Nepal

•Paul McCartney files for divorce from Heather Mills; 30.

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gives top place to Denmark.

as the happiest country in the

world, and Burundi the most

unhappy, US is at 23, UK 41

and France 62; 29. Muslims

in Malaysia banned from us-

ing Botox injections for cos-

metic purposes •Maoists in

Nepal extend ceasefire by

three months .Beirut univer-

sity tums into a refugee camp

satellite pictures 'show' Pakistan has terrorist training camps in its territory •Israel bombs Lebanon, aiming to create a 30-km buffer zone 24 Sri Lankan soldiers killed by LTTE .Bombings and shooting kill 55 in Irag; 2.

dren as domestic helps or as

servants at hotels, etc.; effec-

tive from Oct. 10 •US says

Hezboliah rockets pound Israell, and Israel steps up ground strikes by sending commanders •Writers John Irving and Stephen King urge J K Rowling not to kill Harry Potter in the 7th book *President Musharraf says without army, Pakistan will be like Lebanon •War for a water reservoir leads to Sri Lankan offensive killing 68 •10,000 North Koreans believed dead or missing in the country's worst flood in the century; 3.

Fighting kills 18 civilians in

Muttur, Sri Lanka •132

Hezboliah rockets pound northern Israel, killing five •UN team in Nepal to study its role in resolving conflict •Iranian President calls for elimination of Israel •21 killed in Afghan car bomb attack ·New Israeli air strikes on Beirut take toll to 900 •Typhoon Prapiroon nears southern China, thousands evacuated. 4. 40,000 persons are trapped in the Muttur towr in Sri Lanka, humanitarian crisis •Israeli air strikes mount in

Lebanon •25 Taliban men

killed in Afghanistan •Sania Mirza suffers her third successive defeat against Russian World No. 6 Elena Dementieva; 5. Following Pakistan's expulsion of Indian Visa Counsellor Deepak Kaul, India expels a Pakistan diplomat •In its reaction to UNSC deadline for Iran to suspend all fuel enrichment activities, Iran says it is ready for talks but won't change its policies under pressure; 6. Lebanon rejects the draft UN resolution calling for an end to the conflict . Egyptian Museum displays the mummy of Pharoah Rames IV ·Israel arrests Aziz Dweik, the Hamas Speaker of Palestinian Parliament •Afghan troops and police kill 17 Taliban men;

7. Nepal Maoists say peace talks are on the verge of collapse on arms issue •Tiger Woods is the youngest player in PGA history to win 50 titles US says anti-Indian terror groups exist in Pakistan; 8. US lifestyle guru Martha Stewart agrees to pay SEC \$195,000 to settle civil charges of insider-trading •Arab nations urge withdrawal of Israeli forces from Southern Lebanon; Israel is studying Lebanon's offer to deploy 15,000 Lebanese troops along the border •29 Thai provinces are hit by bird flu *UK thinking of ethnic quotas for jobs; 9. Iran President says pressure on his country can make it reconsider its adherence to the

NPT •Nepal govt. and Maoist rebels reach agreement on UN monitoring of their ceasefire and the management of the arms held •Indonesian bird flu toll is 45; 10. Highest security alert in Britain after police foil a plot to blow up aircraft in mid-flight between Britain and USA; Flights cancelled; Heathrow closed: thousands stranded; 11. Blogs reach 50 m. - a 100fold increase in three years •UK freezes assets of 19 terror suspects •29 killed in fighting between Sri Lankan army and LTTE •Air raids continue in Lebanon •Thaksin Shinawatra to contest Thai election in October; 12 Lebanese ceasefire resolution unani-

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debut at US box office over David Beckham not to be the weekend earning \$18.7 Marion Iones 'shocked' by British captain •German novreport about her positive drug m.; 16. Tri-nation cricket seelist Gunter Grass admits test •Serbian teenager Ana ries put off; 17. Floods kill 900 serving in the Nazi SS during Ivanovic beats Martina Hingis in Ethiopia; Omo river bursts WWII •128 killed in Sri Lanka its banks; more dams may to win the \$1.34 m. Rogers fighting; 13. Earthquake (5.5) Cup title; 23. The board game burst •17 Lebanese army iolts Indonesia's Aceh •Fidel troops move into the south to Scrabble to use titles in pink Castro of Cuba is 80 •Israel help enforce the ceasefire •In to raise money for research agrees to a ceasefire after its into breast cancer • A Mumbai renewed battle, 100 Tigers fighters fail to overrun -based US airline flight returns killed •NASA says original Hizbollah in S. Lebanon •LTTE tapes of man's first landing on to Amsterdam after alarm alleges that Rajapakse regime is for a military solution in Sri •Former Pak all-rounder the moon in 1969 have been Lanka •Son of an Indian imlost •World steel production Wasim Raja dies while playing; migrant in London is among in 2006 is 1.2 b. tonnes; 18. in London; 24. International the 24 people arrested for the Astronomical Union meeting Chechen rebel Umarov's plot to blow up US aircraft •6brother surrenders . Namira in Prague decides to relegate Pluto to the status of a 'dwarf day global AIDS conference Salim, a Pakistani artiste based opens in Toronto; 14. Gloplanet' "Pluto is a Planet" Tin France, chosen by US firm bal Wheat output for 06-07 Virgin Galactic for its commershirts being sold online •A put at 598 m. tonnes •Oil falls cial space flight in 2008 - the study says as a result of gloto \$73 a barrel, on West Asia first Pakistani astronaut •SAF bal warming, spring now artruce •61 schoolchildren and rives 6 to 8 days earlier across Games begin in Colombo: 6 other persons killed in ex-19. Israeli commandos launch Europe than in the early plosions in Colombo; the tarraid deep inside Lebanon 1970s; 26. Arousheh Ansari, get was a Pak High Commis- President Rajapakse says his Iranian-born US woman, to sion convoy •Roger Federer government is committed to become the world's first fewins his second Rogers Cup peace and negotiated settlemale space tourist . Heavy in three years, in Toronto ment in Sri Lanka • Marion water plant, with capacity to Masters •Nepal has a new Jones reportedly has failed in produce 16 tonnes a year, Army Chief - Lt. Gen.. a doping test •Asfa Powell opened in Iran •8razilian Rukmangat Katuwal •China equals his own 100 m. world Felipe Massa beats Michael typhoon Saomai toll is 255; record (9.77 sec.) for the third Schumacher in Istanbul •Um-15. Australia shelves its Immitime; 20. Earthquake (7.2) pire Darrell Hair in the news gration Bill • Syria says US and shakes the South Pole •Sri after his ball-tampering alle-Israel have lost their grip on Lankan army claims that 100 gations against the Pak team West Asia •Dell to recall 4.1 cadres of LTTE have been playing in England; 29. Riotm. notebook computer batkilled in latest Jaffna battle ing in southern Pakistan over teries made by Sony because ·Lebanon warns militant killing of Bugti; 30. 'World they would overheat and group against violating the Trade Centre' film to donate catch fire • Japanese Prime ceasefire; 21. Train crash kills \$2.6m. to 9/11 charities •40 Minister Koizumi's visit to 58 in Egypt •Tiger Woods killed in Iraq blasts •Pak au-Yasukuni war shrine triggers clinches his 12th major title thorities say the Baloch leader furore •Oliver Stone's film and third PGA crown; 22. Bugti was killed in a cave col-

crashes in eastern Ukraine

Housiy adopted by o...

September

Pope Apologizes

. Lockheed to build next iceship for NASA •US says litary action against Iran is ssible •Maoists breach asefire code of conduct in pal •Shinzo Abe is a candite for Japan Prime Minister 0 killed as Iranian airliner tches fire at Mashhad iermany's Angela Merkel is orld's most powerful woman, according to a Forbes magazine list. Condoleeze Rice is second, Wu Yi third, Indian-born Indra Nooyi fourth and Sonia Gandhi 13th •Slain Baloch leader Bugti buried under government supervision in Pakistan •Rebel astronomers to fight for Pluto's status; 2.80 LTTE cadres killed in a naval battle; 3. Enforcement Directorate serves notice on Natwar Singh and son in the Iraqi oil-for-food scam •Miss Afghanistan Vida Samadzai, expelled from her country three years ago, denied permission to participate in Fashion Week parade in New Delhi • Sree Lanka freezes NGO funds •Opium poppy cultivation in Afghanistan hits record levels; the country produces 90% of world's opium and heroin supply; 4. Sir Lankan army captures Sampur in Trincomalee district • Sudan asks all peacekeepers to leave Europe's SMART-1 spacecraft slams into the moon, ending its three-year mission • Australian crocodile hunter Steve Invin is killed in a 'freek' stingray attack; 5. Pakistan signs a deal with local Taliban militants in N. Waziristan •60 Taliban militants killed in S. Kandahar, Afghanistan •Iraq to have a new flag in place of 'the Saddamist flag' .Human rights group wants investigation into Israeli use of cluster bombs in the fighting in Lebanon •Serge Girard completes

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ut a full day of rest - a record; . Seven junior members of K's Blair government quit Pakistan withdraws an offer f safe haven to Bin Laden, fter US outrage • Maoist conrolled unions rally for vorker's rights in Nepal Japan's Princess Kiko gives irth to a baby boy, the first nperial male heir to be born n more than four decades Iran to cleanse school and iniversities of liberal and secuar influences; 7. A bronze oust of Kalidasa unveiled in ihanghai • Marian Jones leared of doping charges President Bush confirms exstence of a secret CIA prison network •British Prime Miniser Tony Blair is to quit within 1 year •Israel lifts its air and naval blockade on Lebanon: B. New video released by Al azeera shows Osama preparng for 9/11, 2001 strikes; 9. eander Paes and Czech partners Martin Damm enter US Open Men's Doubles final Campaign to oust Taiwan's resident Chen • Space shuttle Itlantis with 6 astronauts lasts off •Pope visits Gernany •UNGA adopts a global trategy to counter terrorism Former Iranian President M. hatami says atomic weapons f India, Pakistan and Israel tust be eliminated first; 10. faria Sharapova wins US pen •115 LTTE men killed in i Lanka • Martina Navratilova

Lucy Tate, becomes Britain's youngest magistrate •Fifth anniversary of 9/11 •Russia tests missile from under icebound sea • Hamas and Fatah agree on the formation of a national unity government ·Bangladesh Prime Minister Khaleda Zia suspects sabotage at polls •Fierce battles continue in Jaffna • Roger Federer is US Open Champion - third Grand Slam title of the year and the ninth of his career; 12. Warring parties in Sri Lanka agree to unconditional peace talks • A terror attack on US embassy in Damacus foiled •Over 50 killed in a stampede at a stadium in Yemen: 13. President Musharraf says Indo-Pak relations have never been so good •According to UN, US has the largest inflow of migrants, Afghanistan is second. India is fourth on migrant outflow list •First bird flu case reported in Sudan •A blast kills 10 in Turkey •Sri Lanka ready for talks if violence stops; 14. Hollywood superstar Nicole Kidman is Australia's richest woman under 40, with a \$150 m. fortune •Bird flu toll is 49 in Indonesia • The first ordination of rabbis in Germany since WWII held •Iran is optimistic about its talks with EU. but not so with US . Seven killed in Sri Lanka violence •Russia's top banker Andrei

The new Japanese prince is named Hisahito •Iraq to ring Baghdad with trenches to protect the city •Muslims across the world protest against Pope Benedict's reference to Islam in relation to violence during his visit to Bavaria; Vatican says Pope meant no offence; 16. Pope apologises to Muslims for his speech on Islam . Security forces gun down four LeT militants in I&K •US says it can go to Pakistan looking for Osama only if invited by Pakistan; 17. Global Day for Darfur (Sudan) sees protesters around the world calling for an end to the fighting; 18.11 Muslims hacked to death in a jungle in eastern Sri Lanka •World's first woman space tourist blasts off on a Soyuz rocket from Baikonur •Attempt on Somali interim President A.Y. Ahmed's life; 19. Thai military stages a bloodless coup against Prime Minister Shinawatra •Moldova's breakaway province of Trans-Dniester votes to become part of Russia; 20. A new ring is spotted on Satum, NASA says •Gold price falls to \$572.30 an ounce •Coup leader Gen. Sonthi Boonyaratqlin says civilian rule will be established in Thailand in a fortnight Hewlett Packard marks 100 millionth printer sale •Shinzo Abe to be next Japanese Prime Kozlov shot dead •A report | Minister; 21. Muhammad

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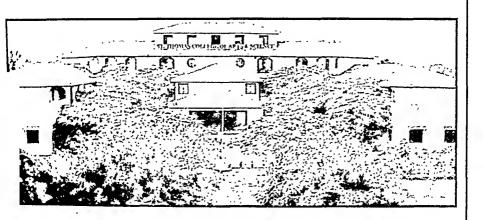
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October 🕴 kistan •Saddam Hussein sent 🖟 Ali's daughter Laila Ali to out of court •Chopper missmake her debut at Madison Nobel to Younus of ing in Nepal for three days Garden in Sauare Bangladesh found, all 24 on board dead November • China's tele-•Pope wants inter-faith dia-1. Michael Schumache phone users now exceed 804 loque for peace; 26. Taliban m., of which 437 are mobile wins Chinese GP to tie with source says bin Laden is alive Alonso in F1 championship phone subscribers • California sues six world automakers and well; 27. US falls to 6th •Tatana Kucharova, 18, o Czech Republic is Miss World place in World Economic qlobal warming over •Musharraf says Pakistan has Forum's 2006 global com-2. Suravnd Chulanont is the 'certain apprehensions' over petitive rankings •Guatemanew Thai Prime Minister New Delhi sharing Informalan security forces take over •Sporadic gun battles in Pala prison, controlled for more tion on Baluchistan • Atlantis, estinian areas •Russia imposes the US space shuttle, lands in than 10 years by inmates a total economic blockade on Georgia • Shootout in a Penn-Florida safely •Thailand's who produced drugs and coup leaders ban political lived in spacious homes; 28. sylvania school kills five chilactivities •100 people may Gold trades above \$600 an dren; 3. LTTE agrees to hold have died in Bangladesh ounce • Dow Jones index rises unconditional talks with Sri storm •Deposed Thai Prime to 11,724.86, surpassing a Lankan Government • A Turk-Minister Thaksin asks for early record close of 11,722.98 on ish plane with 107 passengers elections; 22. Bush wants 11/1/2000 •Inzamam-ulfrom Tirana is hijacked to Kashmir issue resolved bilat-Huq cleared of ball tamper-Italy's Brindisi airport •US erally •A trans rapid high ing charges, but there is a population reaches 300 m speed train crashes into a serfour-match ODI ban for lead- North Korea to conduct a vice vehicle in Germany ing a protest against the umnuclear weapon test •Fighting China's population of the pires •Pakistan says Osama erupts in Darfur, Sudan, killelderly to became 174 m. by could be in Afghanistan ing 40. Aid workers flee 2010; 23. A French secret China conducts fusion reac-Greida; 4. Nicaragua plans a service report says Osama tor test successfully •28 killed \$20 b. rival to Panama Canal bin Laden has died of tyin Irag blasts •Typhoon •58th Frankfurt Book Fair phoid; 24. Asian stocks fall Xangsane wreaks havoc in opens with 7272 exhibitors for the third week •Saudi Philippines; 29. South Korea's from over 100 countries; 5. Arabia has no evidence that candidate Ban Ki-moon leads Colombo - LTTE talks to be bin Laden has died •Martina straw poll for UN SG's post held on Oct. 28 and 29 in Hingis wins Sunfeast Open, in Anousheh Ansari, the space Switzerland •NATO assumes Kolkata •20 killed in violence tourist, returns; 30. Brazilian control of international forces in Iraq; 25. Crude fortunes in plane Boeing 737 with 155 across Afghanistan • Thai mar-New York fall below \$60 a crashes after colliding with a tial law to continue •Fredrik barrel, on reports that Iran smaller aircraft, over Amazon Reinfeldt is approved as favoured talks on its nuclear jungle •French socialist Sweden's new Prime Minister; programme •Sri Lankan navy Segolene Royal enters race to 6. Main Sri Lankan parties claims to have sunk 11 LTTE be President • Talks by visitagree to reach consensus on boats, killing 70 separatists ing President Musharraf and ethnic issue •Russia deports Afghan President says Tony Blair in London on Indo-150 Georgians; 9. North Ko-Osama may be hiding in Pa-Pak ties and terrorism. rea says it has successfully con-Manorama Vassbook some



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ducted an underwater nuclear) test 'under secure conditions'. Bush calls it a threat •UNSC recommends South Korea's

Peace won by Bangladesh's Grameen Bank and its founder Muhammad Yunus •Cam-

Orhan Pamuk wins Nobel for

Literature: 13. Nobel Prize for

bridge Varsity shuts door on Sanskrit as a subject of under-

Ban Ki Moon to General Assembly as S-G; 11. Kiran Desai wins the Booker Prize •Intense graduate study; 14. First Infighting results in the death of ternational Rome Film Festival 22 Sri Lankan soldiers • North begins: 16. Shoaib Akhtar and Korea warns of more nuclear Mohammad Asif fail a drug tests if US keeps pressuring it; test; 19. Heather Mills says

Opec to cut oil output by m,barrels a day from No 21. 'Hong Kong Protoco' new liver transplant prot

can halve Hepatitis B sur costs •35 Tiger rebels k in Sri Lanka sea battle. Britain to reduce Hous

launch a political party •9

of globe to be mobile by

of the decade •Dow lo

sails past 12,000 mark;

Lords in size by more th third.

·BSNL's

Galendar of Events, India

certificates and documents; 5.

Union Minister of State for

Water Resources J.N. Yadav (of

RID) resigns, after warrants,

were issued against him for

Paul McCartnery tried to kill

her •Muhammad Yunus may

November, 2005 New CM for J&K

South Korea asks UN to send

a 'clear and firm' message to

North Korea; 12. Turkey's

1. Y.K. Sabharwal is swom in new Chief Justice of India .

Former President Narayanan in hospital •Delhi

reacts to President Musharraf's suggestion on demilitarising

both sides of Kashmir saying that it could not be done unilaterally; 2. Ghulam Nabi Azad swom in &K Chief Minister; 3. India wins Videocon Cup

beating Sri Lanka in ODI series

in Pune. •Congress to send a legal notice to the parties concemed on the Volcker Committee report; Govt. is concerned about the unverified references; 4. Rupee touches year's low

ranks first in gender report by

'forcibly' securing the release of his brother from police custody; 6. Sam Manekshaw, 96, moved from Wellington to New Delhi for treatment . Stampede a ta relief distribution centre in Chennai kills six; 7.

Number of cotton growers committing suicide in Vidarbha crosses 100 · Foreign minister Natwar Singh demoted to Minister without portfolio •Kerala

*Prime Minister says there is no

clude the mother's name in all § evidence against Natwar:

emment announces a tion in entry fee for NL ILD telephone players to form Rs. 2.5 cr. from R

or Congress in the Volcke

Rs.10,000 cr. in 200

•Kerala High Court rule

nuns and priests can er

advocates; 9. Former Pre

K.R. Narayanan, 85, d

Army hospital, Delhi; 10

profit

cr. and 25 cr. respect Supreme Court quashes der passed by UP's Mi Singh government with ing POTA charges again Minister R.P. Singh ali Bhaiya •11th Kolkata Filt

President Kalam and

National Productivity Council. followed by Tamil Nadu, val begins • Former Pr K.R. Narayanan crema Punjab and Gujarat • Czech New Delhi with ful President V. Klaus in New Delhi: 8. Sensex climbs to 8317 honours in the prese

against US dollar at 45.52 . HRD Ministry asks all Ministers and Departments of Central and State Governments to in-



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says a CBI official; 14. Keralites pay homage to former President K.R. Narayanan as the um containing his ashes is brought to the State . Naxals kill eight Ranvir Sena men kidnapped during the attack on Jehanabad jail •Former ÜP minister Raja Bhaiya surrenders •Mizoram bans import of birds and pigs from neigh bouring Myanmar and Bangladesh; 15. The dedicated Lok Sabha satellite channel to telecast 24 hours a day Left parties warn Government of serious consequences if it votes in favour of referring the Iran nuclear issue to UNSC •Two die and 60 are injured as militants carry out a grenade attack on former minister

Manorama Yearbook 2007

Federal Bank and Lord Krishna

Bank call off the merger of the

two banks; 11. Prime Minister

Manmohan Singh in Dhaka for

the 13th SAARC summit • CBI

brings back Abu Salem, a most wanted terrorist and the prime

accused in the 1993 Mumbai

serial blasts and his girl friend

Monica Bedi, after a three-year

· legal process in Portugal: 12.

Prime Minister Manmohan

Singh offers open sky policy for SAARC, at the Dhaka summit .

Oct. 29 Delhi senal blasts sus-

pect Tarig detained • Kerala

gets 539 of the 1047 scholarships for the single girl child

announced by HRD Ministry

Naxal attack in Jehanabad jail,

Bihar kills six persons; 13. Abu

Salem 'confesses' role in '93 se-

rial bomb blasts in Mumbai.

voter turnout in Thiruvan antha-puram Lok Sabha byelection: 19. As Monica Bedi tells the court that she was not married to Abu Salem, India presses for the extradition of his ex-wife Samaira Jumani from the US; 20. About 155,000 candidates take the Common Admission Test (CAT) for entry into IlMs and 75 other management schools in the country; 21. Kingfisher Air orders 30 Airbus A320s • 85 Indian companies now have market capitalisation above \$ 1 billion Gold sets new record at Rs.7415 / 10 gm • B. Maniappan, a member of the Border Roads Organisation, is kidnapped by the Taliban in

Tangmarg •Stamp scam ac-

cused Telqi's wife Shahida sur-

renders: 16. Finance Minister

says disinvestment in a few

non-Navratna PSUs is contemplated •Srinagar car bomb

blasts kills four and injure 45 •

Fifth crossing point for aid sup-

plies opens in Un: 17. FDI upto

20% permitted for FM radio;

18. In a limited cabinet re-

shuffle, Manmohan Singh re-

tains the External Affairs Minis-

try. Information & Broadcasting Ministry goes to Priyaranjan

Dasmunshi, Urban Develop-

ment to Jaipal Reddy and

Sports & Affairs of Overseas In-

dians to Oscar Fernandes •

Kerala High Court rules that misuse of public interest litigation for publicity should be dealt with an iron hand •6B p.c. ignation of UPA chairpersor Sonia Gandhi, and forces adjoumment of both Houses of Parliament over the Volcker Committee report; 25, Sensex closes at an all-time high of BBS3.21 • Rolls - Royce set up an Indian subsidiary, in a tie up with QUEST • Ramankutty Maniappan, the BRO employee killed by Taliban, cremated in Kerala with full State honours *

Global IT and BPO services lo cations 2005, China and Ma laysia are second and third in A.T. Keamey's survey • Indone sian President Yudha-vono ir New Delhi • BRO employee Maniappan Raman Kutty ab ducted by Taliban in Afghani stan slaughtered, body found in Nimroz province, Govt. an nounces Rs. 10 lakh relief for family • Three CRPF jawan killed in fidayeen attack in Srinagar 24. In Bihar Nitish Kuma sworn in Chief Minister, the first NDA government of JD(U) and BIP • IFFI festival begins in Goa • Opposition demands res

Rabri Devi is elected RID leader,

thus becoming Opposition

Leader in Assembly; 26. 145

passengers feared killed when

(O) leager Mush Kumai wins resounding victory in Bihar As

sembly election • In Mumba

North-West, Sunil Dutt'

daughter Priya Dutt beats Sena

candidate by 172,043 votes;

Rs. 1 lakh crore lawaharla

Nehru National Urban Renewa Mission covering 60 cities to be

set up; 23. India tops the list o

The Strongest Teat. Consistently



pressed inability to help as it floods in Tamil Nadu - one at didn't have relations with Puttukottai and the other at Taliban • Kanchi Sankara-Sanaveli • Gold reaches a new charva appears before the Seshigh of Rs. 7400 per 10 ams • Mizoram passes the Organic sions Court in Pondicherry in Farming Act, the first state to the Sankararaman murder case • Gold is Rs. 7585 / 10 gm; 29. do so •Vijaypat Singhania be-Amitabh Bachchan, now in comes the first man to sail at hospital, has collitis . Sharad 69,852 feet above sea level on a hot air balloon . Govern-Pawar is elected President of ment to deploy women com-BCCI, ending lagmohan mandos as sky marshals • Ten-Dalmiya's 21-year-old hold on world's richest cricket body • sion mounts in Shiv Sena with Prime Minister Manmohan difference between Thackarey and cousin Uddhav Singh wants India, averaging Sachin Tendulkar is back a 7.5% growth now to target among the top 10 in the latest LG-ICC Test players rankings; 27. India Economic summit 2005 in New Delhi • Rai Thackeray resigns from Shiv Sena's executive committee • National Security Adviser M.K. Narayanan says abduction and killing of BRO employee Maniappan Kutty in Afghanistan was the result of a 'conspiracy' between Pakistan and Taliban • Aishwarya Rai is to star in the new Asterix and Obelix film; 28. Fil investments take sensex to above 9000, for the first time; market cap soars to a record Rs.23.56 lakh crore Investment of Rs. 10,000 cr. expected in special economic zone infrastructure in the next talion. three years • Rupee breaches the 46-mark again • Defence Minister Pranab Mukherjee tells Lok Sabha that NSA was misquoted, and Govt. had made all possible efforts to get the release of Ramankutty Manorana Yearbook 2007

10% growth in two to three years • Dual citizenship for PIOs to be launched in January 2006 Shivaraj Singh Chauhan swom in 28th Chief Minister of Madhya Pradesh; 30. Uma Bharti, senior BIP leader and recently appointed General Secretary, suspended Amitabh Bachchan undergoes surgery for an intestinal problem • A study by a private agency puts ONGC as the biggest wealth creator - Rs. 103,000 cr. in 2000-05 • RBI to set up an independent body called The Banking Code and Standard Board of India by Jan.1 • Border Security Force (BSF) to raise a women's bat-December Sachin, No.1 test century taker 1. President API calls for creating a network of rivers in

arrives in India for a four-day visit • Natwar Singh dropped from Congress Steering Committee •On-screen smoking ban to be effective from Jan.1

Cauvery with other rivers ; 2 Rupee dives to a fresh 14

month low of 46.11 against the

dollar • Finance Ministe

Chidambaram says the rising

movement of the stock market

index reflects the buoyancy

and confidence in the economy

· Dual citizenship scheme

launched for overseas Indians.

except in Pakistan and

Bangladesh • NDA steps up its

offensive against UPA govt. on

the Volcker Reports and asks for

Sonia Gandhi's resignation; 3.

Prime Minister Manmohan

leaves for Moscow on a three-

day visit. • Cll Y.K. Sabharwal

says 26 m. cases are pending

before different courts in India.

of which 18 m. are criminal

cases . Indian mutual fund in-

dustry registers a 30 percent

growth, says AMFI chairman

A.P. Kunan: only-one percent

of people have invested in mu-

tual funds; 4. Sijo Jose, in the

custody of US-led forces in Iraq

for four months, released •

Taliban denies killing BRO em-

ployee M.R. Kutty . Golden

Peacock at IFFI goes to Iran's

'Iron Island' (dir. Mohd

Rasoulof) . Bajrang Dal activ-

ists in Mumbai beat up three

people distributing copies of

the Bible; 5. Chipmaker Intel to .

invest \$1 b. in India • Bill Gates

SC stays Walf Board order on?

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Delhi • Cyclone 'Fanoos' weak-

of profit-making PSUs .

Bengalooru next year •Pune airport turns international • BSE Sensex crosses 9200 mark •

Microsoft to open offices in 33 Indian cities and to invest \$1.7 b. over the next four years • Indian Airlines has a new name.

'Indian', and a new logo in-

spired by the Sun Temple at Konark • Cell phone users are 55.31 m. now; 8. Gold sets new record at Rs. 7885/10 gm. Shamila Tagore is appointed

he title of Professor Honoris

reaches 9067 • Government niles out any enquiry by a JPC into the Volcker Committee report: 10. Sachin Tendulkar is world's highest test century

Manorama Yearbook 2007

International Film Festival of MFs and Fils allowed to partici-Kerala; 18. Demolition of illepate in gold, silver and crude gal constructions in Delhi in futures; 13. Earthquake of 6.7 magnitude hits parts of Kashmir, Pakistan and Afghanistan • Rajya Sabha member C.S.

ranked eighth in the list of

world's most admired business

leaders in a study by Burson-

Marsteller with Economist Intel-

ligence Unit • MUL has plans to

make a luxury sedan (code YY4)

Lodha suspended • A 6.8 intensity tremor jolts Kashmir again; 14. Uttaranchal hit by earth-

quake (5.2 on Richter) •Narayana Murthy of Infosys

ously injured in stampede at a flood relief centre in Chennai •Raj Thackeray resigns from Shiv Sena • More Kamataka cities to have new names from November next •President

progress •42 die and 37 seri-

and Chinese director Lu Chuan

wins best director award at

large-scale multiple application

Kalam hands over certificates of 500 houses for tsunami vicconstructed Amrithanadamayi Math, at

Kollam in Kerala; 19. Govern ment to divest 8 percent in Maruti • Sensex closes at 9394

maker as he surpasses Sunil

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UNICEF In India: 9. Sensex



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after touching all all-time intraday high of 9402.68 •Wipro ac-

cricket team . Hindustan Latex launches 'Confidom', the

country's first female condom

•178 cotton farmers of Vidarbha commit suicide this year •88 buildings bulldozed in Delhi, as protests continue; 20.

Constitution Amendment Bill to reserve seats for socially and educationally backward classes in private unaided educational institutions tabled in Lok Sabha Assam CM offers safe passage to ULFA leaders whenever they

come for direct talks with the centre •P.A. Sangma returns to NCP •Pfizer launches Viagra in the Indian market •FII investments in India in 2005 put at \$10 b; 21. Street protests follow beating up of young couples in a park in Meerut; UP Govt. orders an enquiry •Constitution (104th Amendment) Bill passed in Lok Sabha, providing reservation for SCs & STs in unaided private educational institutions **Amnitsar-Lahore bus service to commence on

In-L. L. SER

quires Austrian chip design firm New Logic for Euro 47m. •Air Sahara wins the rights for the sponsorship of the Indian

ishes with 5 wickets in second innings . INSAT-4A launched successfully, the first to meet the needs of DTH tv service .

Kumble, in his 100th game, fin-

Mobs go on rampage in Morena, M.P., protesting murder of former BSP President P.P.

Chaudhary and son . Pawan Kumar Bansal Committee finds 10 M.P.s quilty in 'cash for questions' scam . Platinum iubilee celeberations of Kalamandalam begin; 23.

Eleven M.P.s, 10 from Lok

Sabha and one from Raiya Sabha, expelled in connection with 'cash for questions' scam a development unprecedented in the history of parliamentary democracy . Cold wave death toll in northern India reaches

65 • Demolition by Municipal

Corporation in Ulhasnagar, Mumbai, where 855 illegal flats have been named, resumed; 24. Former Chief Minister Rajnath Singh tipped to take over as BIP President . Saurav Ganguly is recalled to the Indian team squad for the tour of Pakistan • Fog engulfs most

parts of north India . IGNOU launches a full-time PG course in community cardiology; 25.

the urgency to begin to revive the peace pro-50,000 houses for famil fected by development p in Mumbai opened by Gandhi •Undenvorld op

Panchmahal district; 2

collect user's fee from p

gers from CIAL from J.

BSP expels four of its N

cluding three who we

volved in the 'cash for

tions' scam . Home M

says India needs Rs.35,0

to cope with the major r

disasters that struck Indi

the past one year; 27.

surges by 197 points • E

is on national disaster list

way ticket cancellation cl

almost doubled in a bid

courage touts . BIP G

Secretary Sanjay Joshi r

following a sex scanda

Lankan President Rajar maiden visit to India

grave unearthed in Gu

Panchmahal district. Ske

found are reportedly of

killed in Godhra riots: 28

dentified gunner attac

Bangalore killing an III

fessor and injuring thre ers • Sri Lankan Pres

Rajapakse and Prime M

Manmohan Singh age

Jan.20 •India's first wax mu-UN peacekeeper from India Abu Salem put to lie de seum to be set up at a water killed in an attack by Ugandan test *Bollywood sup amusement rebels in DR of Congo • Earthpark Aamir Khan ties the kno Kanyakumani, Tamii Nadu •Suquake of 5.8 felt in Srinagar . Kiran Rao, his longtime preme Court holds that marry-A.B. Vajpayee is 81 • Four RPF Centre asks Gujarat ge ing an upper class Hinduwon't men gunned down by Maoists ment to submit a report give a SC/ST woman the SC/ in Visakhapatnam; 26. Sensex mass : grave found ST status; 22. India beats Sri plunges by 171 points • BJP nawants an inquiry . SEBI recommends short selling by institutional investors . Chief Minister confirms that the terror attacks on IISc, Bangalore was the handiwork of terrorists; IT firms step up security . Rubber price reaches Rs. 71 per kg . Cabinet clears a proposal for declaring Jaipur an international airport •Bihar P.S.C. Chairman Ramsinghasan Singh arrested for alleged involvement in irregularities in appointments; 30. BSE ends the year at 9397.93, a gain of 42% in 2005; sensex is third best in Asia •BSNL cuts fixed line rental by 28% • Rural indebtedness is 27 percent, as compared to 23 percent in 1991•LeT hand suspected in Bangalore IISc strike *According to Assocham, India's trade with SAARC countries, now Rs.25,000 cr., may touch 50,000 cr. by 2010, and 100,000 cr. by 2015 *A.B. Vajpayee to retire from active politics; 31. •L.K. Advani resigns as BJP President.

January, 2006

Sania Mirza, Youngest Padma Shri

1. India and Pakistan exchange list of their respective nuclear facilities • Rampur-Shyamchak village of Vaishali district (Biliar) witnesses buming to death of a woman and her five children, after her hus-

band refuses to withdraw a police complaint about the theft of a buffalo • An Assocham study puts the corporate tax paid by top 50 business houses in 2004-05 at Rs. 8,995 cr. • 12-year-old Parimarjan Negi becomes the youngest IM . India's forex reserves stood at \$144b, on Dec. 23; 2. Prime Minister Man-mohan Singh spells out implementation, investment and infrastructure and employment generation as priorities for 2006 • 93rd Indian Science Congress inaugurated by Prime Minister in Hydera-bad • Police bust a terrorist plot in Hyderabad, seizing explosive devices and arresting two • Air Sahara

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13. 59 Indians are among the ron of Indian Navy commisffers New Delhi-London trip 362 Haj pilgnms killed in the sioned; 7. Voting rights to be t Rs. 10,000 (return fare) on Mina stampede •Fiat cars to granted to overseas Indians; 8. rst-come first-served basis • be marketed through Tata Delhi's coldest day in 70 years, 500 Shiv Sainiks quit the Sena dealerships • Forex reserves rise temperature 0.2°c • AMU to nd join Raj Thackerary • Proto \$ 139,352 billion: 14. appeal against Allahabad HC est against proposed steel judgement scrapping its mi-Arundhati Roy tums down the plant results in death of five nority status • NCP leader Sahitya Akademi award ribals in police firings; 3. •Maharashtra governor 5.M. iensex closes above 9500 with Sharad Pawar rules out forma-Krishna signs the controversial 719 stocks hitting upper circuit tion of a Third Front . Gvanpith ordinance seeking to regularise Award goes to Marathi poet on BSE • Prime Minister calls illegal buildings in Ulhasnagar Vinda Karandikar •Kashmir's or a second Green Revolution. •An imam with LeT links arwith focus on non-food crops. Dal Lake freezes: 9. BIP alleges horticulture and new plant vathat telephones of its senior rested in Mumbai *Animal neties • A top militant of L-e-T. leaders including L.K. Advani Welfare 8oard gives the green signal to Aamir Khan's 'Rang De Abdul Rahman, arrested in conwere tapped during the Volcker Basanti', as there is nothing obnection with terror attack on controversy; 10. Government says it will completely exit jectionable regarding the treat-IISc: 4. The number of BSNL Maruti Udyoq Ltd. •Maharament of animals in the movie; mobile subscribers reaches 14 m.: 5. Railways opens up 15. Singapore invites Indian inshtra bans lames Laine's book containensed operation to pri-'Epic of Shivaii' •UPA govt, is stitutes of repute to set up camvate sector . Chilly weather committed to completing NDA puses there •BIP asks Prime prevails in north India with 177 govt's Golden Quadrilateral Minister to ensure that the two project: 11. Air India to buy 68 deaths so far: . Allahabad HC bank accounts of Italian busistrikes down AMU Amendment Boeing aircraft at a cost of nessman Ottavio Quattrocchi, Act conferring minority status Rs.35,000 cr. •infosys Techlying frozen for the past 30 to the university • 5-MW solar nologies employee headcount months, remain frozen *Secplant to be set up in Rashtrapati to reach 50,000 soon: 12. SEBI ond snowfall in the month cuts unearths another IPO scam in Bhavan: 6. French ship off Kashmir valley; 16. Pak-Clemenceau, headed towards IDFC, where a few investors trained LeT militant Habeeb ar-India, should not enter the opened over 14,000 demat rested in Almatti •5C issues country, recommends Suaccounts •Government sells 8 notice to LS Speaker on expulpreme Court Monitoring Compercent of its stake in MUL. sion of an MP in connection mittee on Hazardous Wastes earning Rs. 1567 cr. • Sania with "cash for question" scam Management • Munnabao-Mirza seeded No. 32 in Austra- Supreme Court disallows en-Khotrapar rail service to be relian Open Singles •Airport try of the controversial ship sumed from Feb. 1 • Leh airmodemisation by AAI is accept-Clemenceau into India till Feb. port to be renamed. Kushok able, say Left parties •NGOs 13; 17. HRD Minister says IIMs Bakula Rimpoche airport, after want field trials of Bt Cotton cannot establish campuses the Head Lama of Ladakh . Cbanned •US senator John Kerry, abroad 'as of now' . A.K. Telgi DAC to release software tools in Delhi, wants fissile material of the fake stamp paper scanand fonts in seven more Indian cut-off included in the July 18, dal and two associates senlanguages • Four new mem-2005 nuclear deal with USA tenced to 10 years R.1; 18. Cribers added to CWC • First un-*Domestic Mutual Funds eqsis in Kamataka as there is a dimanned Aerial Vehicle squaduity assets reach Rs. 75,000 cr. vision in ID(S); H.D. Kumara-



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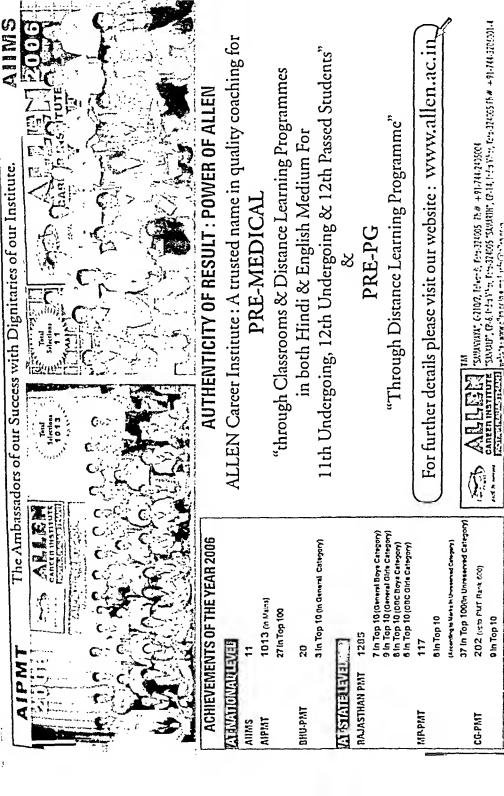
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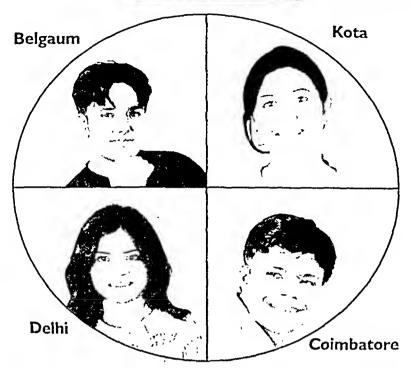
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number Governor invites H.I ter and Governor Buta Singh: swarny to withdraw support to Kumaraswamy to form th 26. Republic Day Awards an-Congress; 19. let Airways buys Government in Kamataka; 2 nounced: Padmavibhushan to Air Sahara for \$ 500 m • Rub-14 people, including eigl 9. Padmabhushan to 36 and ber hits a historic high of Rs.75 priests, injured in BSF fining of Padmashri to 61. Adoor a kg; 20. Inflation rate falls to the premises of Kamakh Gopafakrishnan, Mahashveta 4.24 p.c. • Kerala High Court temple, Guwahati •10th Gran Devi. Nirmala Deshpande, rules that marital status is no bar Slam and third mixed doubl Norman Borlaug among to study nursing • Delhi High crown (with Martina Hingis) for Padmavibhushan awardees. Court stays the operation of a Mahesh Bhupati . S. Sreenath Sania Mirza is the youngest to CBSE circular that made it manget Padma Shri. • King Abdullah in team India again to play Oi datory for all affiliated schools to against Pakistan •Union Cabin of Saudi Arabia is Chief quest provide free education to every reshuffled and expanded wi at Republic Day Parade in Delhi single girl child of a parent from the entry of Sushil Kum Bhuta Singh resigns as Bihar class VI . Tamil Nadu Court lifts Shinde, A.R. Antulay, Mura the ban on recruitment: 21. Governor • RBI allows banks to Deora, Vayalar Ravi, Ambil 82nd plenary session of AICC beappoint NGOs, micro finance Soni, etc. Ten Cabinet Ministe agencies, P.O.s and NBFCs to gins in Hyderabad; 22. Saudi one MOS with independe Arabia repeals the court senact as banks' Business Corretence to gouge out Keralite spondents . Govt. is targeting charge and 11 MOS swom migrant worker P.V. Naushad's an FDI inflow of \$10 b. during Chhattisgarh tableau adjudge the next fiscal, says Commerce eye . In Kamataka, H.D. Dewe the best in Republic Day para-Gowda supports his son H.D. Minister . ISRO thinks mobile Nandan Nilekani of Infosys b Kumaraswamy, dashing the TV will arrive in three years: 27. comes a member of the Wor chances of a Congress coalition: 8th World Spice Congress opens Economic Forum Foundation 24. Government opens up the in Chennai •Trial run of board: 30. Rubber RSS 4 is I retail sector to FDI . SC holds Amnitsar-Nankana Sahib bus 7850 for a quintal • Left parti that Governor Buta Singh mis- Gold is Rs. 750 per gram •LN. demand US ambassador Day led the Centre in recommend-Mittal launches a \$ 22.7 b. take Mulford's recall . New Delhi ing the dissolution of the state over bid for Arcelor, world's secvote against Iran at IAEA mee assembly. It says that constituond largest steel producer ing in Vienna, if it is called upo tional norms were 'perversely" Sensex crosses 9800 mark to make a choice: 31. Airpo subverted for helping a political Central Council of ICAI decides modernisation programe tak party . First bus from Amritsar to prefix 'CA' to the name of a off - Delhi airport is allotted to Lahore leaves . Ganesh Bank chartered accountant GMR group, and Mumbai of Kurundwad merges with Karnataka Chief Minister GVK group . President A.P. Federal Bank • Seven banks are Dharam Singh resigns; 28. leaves on a 10-day tour penalised by RBI in the IPO Kamataka deadlock: Assembly Singapore, the Philippines ar scam; 25. The popular guiz adjourned without CM Dharam S. Korea. show 'Kaun Banega Crorepati' Singh seeking confidence vote to be stopped, owing to February as directed by Governor •H.D. Amitabh Bachchan's poor Deve Gowda resigns as ID(S) Sensex Crosses 10.000 health. President APJ says need president •260 m. Indians (26 Mark of the hour is disciplined action %) are still below poverty line, by every citizen • NDA demands says the first Social Development 1. Sections of AAI emplo the resignation of Prime Minis-Report; Orissa has the highest ees strike work protesting a



quake (5.7 magnitude) hits The Ambani brothers clash over port modemisation • Prime Sikkim, damaging roads and delay in completing demerger Minister says the economy is buildings including the Ra formalities • Kerala rated by moving toward a sustainable Bhavan and a monastery growth rate of 8 to 10 p.c. . World Travel and Tourism •Army submits data on the Council as one of the major SC tells Centre and State govnumber of Muslims in its ranks tourism destinations in the emments it is their duty to to Defence Ministry but reput children between 6 and 14 world along with Greece and quests that the information be Mexico; 7. Sensex closes above in schools . Centre gives its not given to the Rajinder Sacha 10,000 points (10082.28) for nod to ilMs to go global; 3. In-Committee •Prime Ministe dia achieves prevalence rate of the first time ever . Maharasays, in reply to Left attack or shtra to enforce a thickness-speless than 1 per 10,000 popula-Iran policy, government's tac cific ban on plastic carry bags tion, in eliminating leprosy, as tics and strategy will change on Dec. 31, 2005; 4. The 4-day minimum permissible thickness with the ever-changing world' airport strike by over 20,000 is 50 microns •Raj Babbar susreality . Total number of phone employees called off . Job respended from Samajwadi Party in India reaches 130.8 m, with for 'levelling baseless charges' ervation move in private section a teledensity of 11.7%; 15 against General Secretary Amar gets weak as GoM says the radi-India's fastest train, Delhi Singh • ITT-Madras to offer M.A. cal measure is not possible Programme in humanities; 9. Bhopal Shatabdi Express within the framework of the flagged off - the 198 km Delhi Constitution: 5. Trade unions Government to set up a mail to protest outside French emregulatory and development Agra stretch to be reduced by bassy to stop entry of the deauthority (MRDA) • Curfew imhalf an hour, •Maharashtra ha commissioned ship Clemenposed in Leh after clashes bethe highest number of house ceau into Indian waters . Left tween Muslims and Buddhists without power - 38 lakh rura parties demand a full debate of triggered by reports of alleged households in 744 village hav Iran nuclear issue . Supreme desecration of the Ouran at a no electricity; 16. Dawoo Court says a person working mosque in Karqil; 10. Govem-Ibrahim's nephew Samir Wagl with a government department ment to amend the Foreigners' arrested •IISCO merges with it on contract basis is not a 'gov-Act • Eight CISF jawans killed parent body SAIL •64 sitting emment servant' . Study finds in Naxalite attack in Chhattis-West Bengal MLAs including that Goa has the highest incigarh . E-passports likely by eight ministers not to figure i dence of breast cancer in India: 2013 • Fast-track craft INS upcoming Assembly election 6. Sensex crosses the 10,000 Bangaram joins naval fleet: 11. Semindia to set up Fab City it point mark, for the first time. Muslims hold countrywide A.P. •China says it fully support Climbs by 238 points and demonstrations denouncing the New Delhi - Washington closes at 9980.42 • Governthe Prophet cartoons in a Dannuclear pact •French Presiden ment 'redeploys' about 5000 ish newspaper and burn the opposes the \$ 23 b, LN, Mitta troops in I&K to West Bengal Danish flag; 13. Following Jusbid to take over Arcelor •Franc due to an improvement in the tice Rajinder Sachar Commito offer India the Rafal situation • Pravasi centres to be ttee's seeking details from the multirole fighter in place of opened in embassies to address Army on the number of Mus-Mirage-2000-5 fighter, 17. Lo problems of NRIs • 12 policelims in its employ, PMO ex-Sabha speaker asks MPs fac men die as Naxals raid a police. plains that the information was ing an inquiry into their con station in two attacks in being sought from all departduct in the implementation of Chhattisgarh and Iharkhand • ments and agencies; 14. Earth-MPLAD scheme not to attend **Preparing for CAT 20072**



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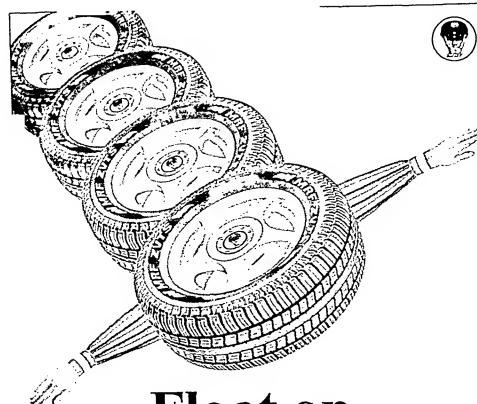
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Prasad Yadav presents railway the 8.5 lakh chickens in ised \$ 12 b. in 2005 from budget: no rise in freight rates Navapur farms destroyed, reerseas market • Inflation or passenger fares, charges on strictions on import of poultry mes down to 4.08 p.c. • e-tickets reduced, 55 pairs of imposed in various states ingarajan Committee recomnew trains introduced, AC fares Neighbouring countries shut ends Rs. 75 hike per LPG cyltheir borders to poultry from reduced . Nine people given der • Violence breaks out in life term in Best Baskery case, India • MPs demand recall of US /derabad during a protest eight freed . Supreme Court ambassador David Mulford •A rainst the pictorial depiction asks Chief Minister Jayalalithaa the Prophet; 18. First cases five-acre prime land in to set an example by present-Hyderabad fetches a record bird flu detected in ing herself in court in the inprice of Rs.335. 25 cr. •Chrisaharashtra's Nandurbar distian Dior, French fashion comcome tax case pending against ct-\$0,000 birds die, 8 people pany, opens its first outlet in her in Chennai • Harrods of Lonospitalised with suspected don to buy 120 tonnes of Inrd flu •ED questions Natwar India: 21. Sensex touches alltime high of 10168.11 •Union dian tea this year . Bihar govngh, in the oil-for-food scarn Minister Pawar says the bird flu emment announces a judicial Demonstration in Lucknow enquiry into the rainst publication of caricais confined to a small res of Prophet Muhammed area • Culling of birds continues Bhagalpur riot case •Electronic H.D. Deve Gowda suspends in Maharashtra and Gujarat registration of companies to benief minister Kumaraswamy Government asserts that gin on March 6; 26. Car bomb blast on the outskirts of Srinagar nd 39 other rebel MLAs from armed forces recruitment is injures eight • RSS abolishes the)(S) following their tie-up with based on merit and open to all P to form a coalition governcitizens •PDP chief Mehbooba post of party spokesman . Four ient in Kamataka Pakistan Mufti calls for declaring I&K a national medicinal plant prond India resume a train service 'free trade zone' •President cessing zones planned . Delhi's cross the Thar desert, 40 years Kalam wants more Indian com-Maurya Sheraton Hotel where Iter it was suspended -Karachi panies to storm into the For-George Bush and party will stay) Munabao; 19. •Lakshmi tune 500 list in a big way •Lok declared a high security zone • fittal expresses confidence in Sabha celebrates International Culling operation completed in inning the acquistion of Mother Language Day •Poul-Surat district . Government has rcelor, despite opposition try industry's loss in Navapur a scheme to provide free power om European governments district put at Rs. 20 cr. National connection to families below '.A. Sangma (NCP) wins Tura loss put at Rs. 200 cr. per day; the poverty line • 80 p.c. of ok Sabha seat in Meghalaya 22. Sensex pierces the 10,200 rural Bengal yet to be electrir the ninth time, in by- poll - mark • French nuclear energy fied, says Power Minister ssocham thinks trade with giant Areva is reportedly keen Shinde • RSS demands immeance will touch 10 b. euros to enter Indian market • Bird flu diate scrapping of the Rajender 2010, as a result of Chirac is ruled out in Chilika lake where Sachar committee on status of it • Indians bought 4.3 m. 1700 migratory birds are found Muslims: 27. Actor Aamir Khan rsonal computers in 2005 dead •India might go in for seeks Rs. 21 cr. compensation '5 injured in an explosion at three more Russian stealth from Filmfare for using his phoimedabad railway station; ships; 23. ISD calls to be 23 p.c. tograph and a quote without). Fatwa against the Danish cheaper from March 1. Three his permission . Economic Surrtoonist issued by a Shanat ! sailors killed in blast in warship vey 2005-06 projects 8.1% norama Yearbook 2007

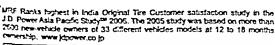


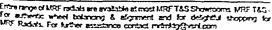
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2 to ASOTH * CHICKEH BING are back on the Railway i, hut not half-boiled eggs, eggs, omelette and vi chickens • The CD conig alleged conversation cripts of Amar Singh is beramined by Home Minis-MPs demand retrial of lesal murder case; 28. P. imbaram presents 2006idget • Mulayam Singh / Wins U.P. trust vote.

March

eorge Bush in India i President George Bush s in New Delhi for a threesit • Sensex shoots up 195 s to reach 1056S • RBI to more banks to Import Vizag port crosses the nillion tonne mark again year . Election Commisir announces the schedule fections to West Bengal, INadu, Kerala, Assam and licherry, from April 3 to 8 • Abu Salem has allegely. essed to having delivered · AK S6 guns, handgfes and ammunition to Sanjay Dutt • The investin of SNC Lavlin case to be edoverto CBI • ICICIBank s Russian market • Ruckus . diament over the naxal Deve Gowda leads anti-∋rotestinBangalore • Rally hilbyMuslimsagainstBush & Sensex soars to 10,700

On Civil Inucical Cooperation • Supreme Court holds that State governments could not levy sales tax on services provide by telecom companies to consumers . Top CEOs from India and USA moot the creation of a \$5 b. fund to boost Infrastructure development • Raiya Sabha passes a Bill to amend the Minority Education Act for giving more teeth to the Commission setup under the Act • USA likely to lift the ban on Indian mangoes • Left rally In New Delhi against Bush visit; 3. George Bush seeks lifting of FDI caps, transparency and greater market access for US goods, Before leaving India he says that the two countries are closer than ever hefore • Maharashtra government to take stringent action against striking doctors • U.C.Banerjee Committee holds that the fire in Sabarmati Express at Godhra on Feb. 27. 2002 was accidental . Government says bird flu is totally under control in Maharashtra • Ratan Tata says Tata Power Is interested in building a nuclear plant • President Bushvisits N.G. Ranga Agricultural University In Hyderabad, and addresses an Invited audience at the Purana Qilaln Delhi • Human Resource ϵ on civilians in Chhattis- $^{rac{1}{\epsilon}}$ Development Ministry to grant IIT status to CUSAT • US Consulate to be opened in Hyderabad

in Oct. 2005 • Three persons

killed In riots over Bush visit in

Lucknow • fT companies get a

reassurance from George Bush

against outsuurcing of Jobs • Ralya Sabha passes the Contempt of Courts (Amendment) BIII . Vaiko's MDMK ioins lavalallthaa camp in Tamil Nadu: 4. Uttaranchal Chief Minister N.D. Tiwari submits resignation • 760 striking doctors in Maharashtra are Issued termination notices • Mob-police clashes following rioting in South Goa over the demolition of a structure used by a minority community for prayers • The longest (22,20 km) cave system in the Indian subcontinent discovered in Meghalaya's Jaintia Hills district by an International team of speleologists; 5. United Democratic Alliance of seven partles led by Congress launched in Kolkata • Maharashtra doctors' strike enters 7th day • About 100 families of the minority community evacuated from Curchorem-Sanvordem In Goa, where vehicles, shops and petrol pumps were damaged in two-day riots · Swaraj Paul to become the first Chancellor of the University of Westminister, London• PAN becomes mandatory for demat accounts with SEBI; 6. Prime Minister says India is not for change in Iran regime • India and Australia agree that the possible supply of uranium to New Delhi will be discussed by a group of officials • Monsanto agrees to cut the price of its GM BL cotton seed by Rs.300 per packet of 4S0

grams • Jaya Bachchan's mem-

ne Minister Manmohan

and US President George



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Miller State of the Bank of the Bank of the State of the Bank of the State of the Bank of the State of the Bank of



border issue at Kumarakom in on large premium payments • ioned, because of her holding Kottayam, Kerala; 13. India to TRAI recommends implemenan office of profit as chairperhelp Mauritius' sugar and textation of number portability in son of Uttar Pradesh Film Detile sectors . Sensex touches mobile telephony by Apr. 2007 velopment Corporation • new intra -day high of 10884 · Rai Thackeray's new party Sensex reaches a new peak, at •The 7th round of talks be-Maharashtra Navnirman Sena 10742.31 • Australia gives \$25 tween India and China on the m. research assistance to India launched •Uttar Pradesh Assembly passes a Bill to exempt boundary dispute conclude at Guiarat High Court asks UPA heads of corporations, boards, Kumarakom •India issues new government not to table rules on export of nuclear equipand councils from being Baneriee panel report in Parliament and technology • Hyundai

Motor India rolls out its one

millionth car, plans to make 6

lakh cars by 2007 •Courier industry asks government to re-

Advani's proposed national in-

on April 6 from Gujarat and Raj

Nath Singh's yatra from Orissa

•BSNL and MTNL propose to

invest Rs. 20,000 cr. to Installan

additional 60 m. lines in the

next three or four years; 14.

Prime Minister says it is in our

national interest to engage with

USA, but it does not mean India

is surrendering its national in-

terest • Avian flu cases detected

in Maharashtra's Jalgaon dis-

trict • Russia will supply uranium

fuel for the Tarapur reactor

ance companies to rechavaror

categorised as 'offices of profit' ment; 7. IOC given govern-• India signs MoU for gas pipement approval for Rs.7500 cr. investment in oil exploration line passing through Mizoram, •India signs Preferential Trade and skipping Bangladesh • Agreement with Chile •India Kerala's Land Revenue Comneeds to import 1.5 m. more missioner K.J. Alphons

bership in Rajya Sabha is ques-

tonne wheat: 8. Finance Minis-

ter asks States to 'spend' more. as they are sitting on huge cash

surplus of Rs, 50,000 cr. • Sensex

falls by 216.82, the biggest

drop in four months .Penta-

gon official to visit Anand to

leam from its rural develop-

ment experience for the recon-

struction work in Afghanistan •

Walt Disney Company (India)

to showcase 'Hanuman', the

consider Post Office Bill •LK. Kannanthanam resigns from IAS to contest for a seat in the Astegration vatra to commence sembly; 10. Sensex at all-time high of 10,765 points •Forex reserves rise to \$143,148b. •27 Indians, led by Lakshmi Mittal

(5th place in the rich men's club) in the list of Forbes billion-

aires •Notice issued by Election Commission to Amar Singh. Samajwadi Party general secretary, on a complaint .Sabir Bhatia to relaunch his travel portal Arzoo.com • Zahir Sheikh of Best Bakery case surrenders in Mumbai; 11. Anil Kumble

animation feature •President Kalam leaves for five-day visit to Myanmar and Mauritius • President Kalam says the thorium routewill give India abdundant takes his 500th Test cricket at Mohali-thefirst Indian to do so •India and China discuss borderissuein New Delhi • President Kalam in Mauritius • G-6 meet-

•Kerala to press for having the nuclear fuel in 5 to 7 years Mullepenyar dam rebuilt by Two Lashkar terrorists believed ing in London, with USA, EU,

Tamil Nadu to ensure safety of to be responsible for Varanasi people living in the downstream blasts, killed •Supreme Court areas •Lok Sabha members sentences Zahira Sheikh, key named in the MPLADS scam witness in Best Bakery case, to Brazil, Japan, Australia and Innot to be expelled; Committee one-year imprisonment and

dia participating; 12. PWC recommends only reprimand imposes Rs. 50,000 fine for constudy forecasts 19% growth in and suspension till Mar. 22; 15. tempt of court by making false India's entertainment and me-India beats China in textile exstatement on oath and for false dia industry by 2010 •Central ports •In reply to US objection affidavits; 9. IRDA asks insur-Sales Tax to be phased out by to Russia's decision to supply



Malindon Rs 5,600 aras prenum in the year 105-06 Roy Alfansinsippy A. M. Best Co. (7 conscoutive years) Grey morror arms 27 countres

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dia and Bangladesh agree to emment is preparing to pr can also supply LEU to India; join hands to deal with terrormulgate to take some posts of 16. 20,000 birds culled in of the purview of the 'office falgaon •Russian Prime Minisism •Supreme Court rules that profit' .Government to impl non-consummation itself would ter Mikhail Fradkov arrives on a ment stringent regulation mean cruelty to a woman and two-day visit •NDA asks Presicurb illegal recruitment in the would be ground for divorce dent to remove Election Com-·Samaiwadi Party member Gulf and other measures to sto missioner Navin Chawla for his Swami Sakshi Maharaj expelled ill-treatment of Indians •San alleged links with the Congress by Rajya Sabha, after his featur-Mirza wins WTA's New com Kunjurani Devi wins a gold at of the Year award . Amital ing in a sting operation by a TV the Commonwealth Games, channel on MPLADS •Uma Bachchan is backfor film shoo Melbourne; 17. Sensex touches Bharti to announce a new party ing, first time after his abdon 10,951 and closes at 10,860 •Jaya Bachchan disqualified by Apr. 30 • A Division Bench of nal surgery •Budget session Kerala High Court upholds the Parliament ends abruptly; 2 from the membership of the judgement that nuns, priests Sonia Gandhi resigns from the Rajya Sabha • Violence between residents of Ghansoli village In and sanvasins could be enrolled Lok Sabha and as chairperso as lawyers provided they don't Mumbairesults in three deaths of National Advisory Counc engage in any full time profesbut says she will contest fro Best tourism state award given to Kerala: 18. Prime Minister sion like teaching or nursing Rae Bareli again; BIP Preside calls for full convertibility of the •BIP suspends 80 Uma Bharti says Mrs. Gandhi is 'runnir loyalists •A.P. to develop a rupee •Visit of Denmark Prime away' from the changes le Minister Rasmussen to India 'Golden Comidor' with the Westelled against her; CPM wan cancelled after New Delhi says ward Trunk Line covering five new legislation to put certa this was 'not the optimal time' districts •Centre to give a booffices held by MPs outside th for the tour •Two IAF pilots die nus to wheat farmers in addipurview of offices of pro as Suryakiran jet crashes in Bihar tion to the minimum support Liberhan Ayodhya Comm • Lok Sabha members make a price •Former BCCI president ssion's term extended to Jur strong plea for taxing rich farm-Jagmohan Dalmiya is granted 30; 24. CEC says President h ers and raising corporate tax; interim protection from arrest, forwarded to him complain 19. Government says there has by Bombay High Court, in a against 16 MPs including Son been no human bird flu cases case of alleged misappropria-Gandhi and Somnath Chat so far •Partnership between tion of Rs. 26 lakh for transacerjee, seeking for their disqua Anna Varsity and Microsoft antions during '96 World Cup; fication for holding an office nounced •Madan Lal Khurana, 22. Government expects exprofit •Supreme Court rul former Delhi chief minister, susports to touch \$110b. in 2005that the breakaway BSP ML pended from BJP; 20. V. Kurien, 06 •Delhi High Court issues will continue as a separate grou known as India's Milkman, rebailable warrants against the in the Assembly •Prime Mini signs as chairman of GCMMF nine persons acquitted in Jester flags off the first Amritsa (Amul) *Amul launches sports sica Lal murder case •AAl to Nankana Sahib bus since 194 drink'Stamina' •TRAI proposes strengthen airports infrastruclinking two holiest Sikh shrine Rs. 5 cr. as convergence fee, in ture at Madurai, Coimbatore •Maoists storm a subjail in l place of Rs.107cr, suggested : and Tiruchirapalli •ICICI Bank Udayagiri in Orissa and free 4

tee for the girl child; 21. Sensex

touches the 11,000 mark •In-

Tarapur, India says if the US

laws are amended that country

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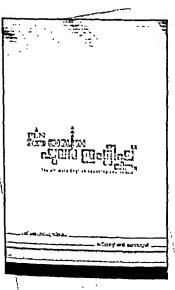
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stop conducting HIV tests on to Sonia Gandhi •Amid talks on US-India nuclear deal potential employees; 28. An •Ranbaxy, India's top drug os, the [harkhand Assembly Indian Trade Centre to be esmaker, unveils its fourth Euroes the Disqualification Bill pean acquisition in nine days versing its earlier decision, tablished in UAE •All new entrants into Indian armed forces with the purchase of Belgian 1 Politburo lets Kerala leader to undergo compulsory HIV generic drug company Ethirned Achutanandan to contest test • Sonia Gandhi in Rae Bareli. NV: 31. Forex reserves touch \$ s: 25. Medha Patkar urges attacks opposition for finding 148.662 b Current account ne Minister to reconsider default with her . Public Health on on raising the height of deficit narrows to \$3.8 b •Fi-Foundation of India launched mada dam •13 villagers in nance Ministry says STPI units nattisgarth killed by Naxals by Prime Minister; 29. Partial are eligible for IT sops •Birnan il Ambani resigns from Rajya solar eclipse •7000 chickens Bose to succeed Anil Biswas as ha •Prince Charles and wife culled in Madhya Pradesh • Low West Bengal CPM Secretary nilla arrive on six-day visit enriched uranium from Russia •ONGC is at the top of 33 to fuel the first two reactors at har appoints yoga guru Indian companies which found TAPS (Tarapur) •In Islamabad. a place on Forbes' list of top ımi Ramdev as its brandam-

•Satyam Computer Services

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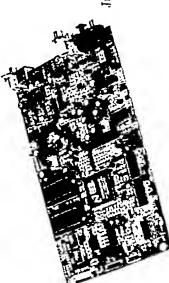
sador: 26. Prince Charles

economic and commercial coi wife Camilla arrive on sixworld •India's external debt operation •Padma Awards to visit 27. Sensex closes at stood at \$119.2 b, in Dec.'05. .079; Market capitalisation is 53 recipients given by Presi-April dent in the second part of in-Rs. 29.5 trillion •Planning mmission asks RITES to study vestiture ceremony: 30. Film Icon Raikumar Dead e four major mechanised Rajinikant's Chandramukhisold 1. Prime Minister rules out any odes of transport for it •India for dubbing in German and possibility of a mid-term poll nd GCC countries decide to Turkish languages •BITS-Pilani •Five BIP-ruled states - Chhacelerate finalisation of free to set up a Rs. 160 cr. campus in ttisgarh, Gujarat, Jharkhand, ade Hyderabad • Senior citizens can area agreement M.P. and Rajasthan - switch

India and Pakistan agree on

agmohan Dalmiya, former now transfer accounts under over to VAT •Gurbachan lagat CCI chief, questioned by SCSS 2004 from one deposit is the new UPSC Chairman •IIMumbai police's Economic Ofofficetoanother • Sensex crosses Ahmedabad raises its annual nces Wing in the case of mis 11,300 • Four doctors of AlIMS, fee for the PG programme from propriation of funds •First New Delhi arrested in connec-Rs. 1.5B lakh to 1.77 lakh • rge Taxpayer Unit to be option with the alleged malprac-Arundhati Roy joins Medha ational from July 1 •Infosys tice in the PG Medical Entrance Patkar in sympathy; the latter echnologies to set up its larg-Exam •UN's Escap says India will grow by 8 p.c. upto 2008,

on the fifth day of her fast at t campus yet spread over Jantar Mantar; 3. A 284-point 50 acres at Mamidipally, but oil prices remain a concern rise in Sensex takes market to a yderabad •India's Raymond poised to become high of 11,564, the highest ever arang wins gold in 10 m. airthe world's largest worsted · According to consulting firm le event at ISSF World Cup . suiting producer, following its KPMG, India needs \$ 10 b. nooting Championship at new facility (Vapi)'s inauguraprivate investment in energy uangzhou, China and be- : tion •Govt. doubles the finansector . Andhra chief minister morama Yearbook 2007



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munal clash kills 5 in Aligarh; 7. says a separate Telengana state rency notes, so can't be repla. is unlikely •Infosys top official Foreign Trade Policy Annual if lost , rules Supreme Cod Supplement released, with 10. Actor Salman Khan sci says Hyderabad has the best \$120 b. as export target and tenced to a five year jail ten infrastructure for IT in India tosectorspecific initiatives to make after a Jodhpur court held hi day; 4. Jagmohan Dalmiya is quilty of killing a rare but India a hub for gems and interrogated by Economic Ofjewellery exports and a major •India's oil import bill hits a fences Wing of Mumbai police refuelling stop for international record high of \$43.B b. in 2005 Sensex reaches 11,710 •IIMflights • Sensex dives 365 points 06 •About 50 people die in a K hikes fee by 20-22% • India fire in trade fair in Meerut • Crimiintraday, reportedly due to a accounts for over 25 p.c. of 'rumour' • Forex reserves reach nal proceedings initiated against maternal deaths worldwide. \$151, 62b. • Finance Minister M.F. Husain in a Raikot court and Rajasthan has the highest rates (67 per lakh live births) stayed by Supreme Court •Susays rupee convertibility is unlikely before 2009 • Rajasthan preme Court declines to modify Singapore is considering depasses a Bill prohibiting relisentence for Zahira Sheikh in veloping a SEZ in India; 5. Medha Patkar, on the 8th day of gious conversion by use of Best Bakery case •Centre to inher fast, is arrested and moved force, allurement or fraudulent troduce a package for preventing farmers' suicides in A.P., to the hospital in Delhi • Centre means' • About 70 people die Maharashtra, Karnataka and declines to concede to the deas a bus falls into the Chenab Kerala: 11. Sharad Yadav is mands of striking SBI employriver in Dodo, I&K • NCW calls elected national President of ees • Abdul Latheef Naushad, for more stringent implemenfreed from prison in Saudi Arabia tation of law against sex deter-Janata Dal (United) defeating where the Sharia Court had a mination tests; 8. Two lakh George Fernandes •Supreme Court directs demolition of all ordered that his eye be gouged ? more chickens to be culled in out for injuring a Saudi, returns Maharashtra •Aligarh continfish tanks in Killeru lake area of to home in Kerala Viiav ues to remain under curfew for A.P.; 12. Phalke Award winner Nambiarjoins Kofi Annan's team the third day after the killing of Kannada film icon Rajkumar, of top advisers •Government six people •Kashmir's first 7B, is dead •Sensex plunges proposes a cess on air travel so women's magzine 'She' 307 points •Bombay High that the funds can be used for launched •Sonia Gandhi quits Court lifts ban on dance bars developing smaller airports • A chairmanship of Rajiv Gandhi Orissa IPS officer's son Bit student of Hyderabad's Indian Foundation, Indira Gandhi Me-Hotra Mohanty gets 7-year R School of Business is offered a morial Trust and Jawahar for raping a German schole? salary of Rs. 1.04 cr. by an In-Bhavan Trust: 9. Interpol brands Government to review thed € dian IT company for an interna-Dawood Ibrahim as dangerous cision to raise the height (tional position •Gagan Narang as Osama Bin Laden, He has 11 Narmada dam: 13. Depar tops the world rankings in men's passports, including eight from ment of post to invest Rs. 10,00 10 m. air rifle category • RBI India•UGC to fill up 120,000 cr. in stock market •Inflation asks banks to help poultry units vacant posts in universities soon. 3.51 p.c. •Six killed, as violen hit by bird flu . WTO D-G of which 50,000 are teaching rocks Bangalore - unruly mc Pascal Lamy in India; 6. L.K. posts • The 7-day SBI strike called attack buses and shops, follo Advani launches his Ram Rath off - fresh cut-off of basic for ing news of death of film ic. Yatra at Raikot •BIP President determining pension increased Rajkumar, 14. Grenade atta Rajnath Singh begins his 5-week from Rs.8500 to Rs. 21,040 in a series of blasts kill five : Bharat Suraksha Yatra • Com-•Indira Vikas Patras are like curinjure 40 in Srinagar, twin b1

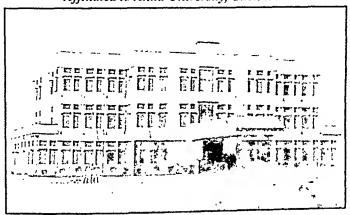


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Nadu, West Bengal a ployed in Vadodara, peace rethey don't come within the Pondicherry • SEBI allows lis turns •10 killed in 1 & K, six are definition of goods •Telecom companies to raise money militants • ADB to double its fiengineer K. Suryanarayana kidprivately placing securities v nancial assistance to India to \$ napped by Talibans QIBs •Heat forces closure Kandahar: 29, Naxals kill 13 2.6 b. by 2008, from present Delhi schools •Medical ret tevel of \$1.3 b •Kamataka's IT abducted villagers on child runner Buddhia Si exports, Rs. 40,081 cr. now, ex-Chhattisgarh • Taliban threatpected to hit Rs. 50,000 cr. in says long distance runnin ens to execute Suryanarayana the current financial year •39th not good for him: 9. ISRO if New Delhi does not pull out Indians in Afghanistan • Pramod annual meeting of ADB Gover-NASA sign a MoU for place two US scientific instrume nors opens at Hyderabad *Sec-Mahajan undergoes a surgery on board ISRO's lunar of to wash the abdominal cavity ond round of talks by Prime Minister with Hurriyat leaders, Chandrayaan-1 • Mona Pr SBI raises interest rates for home toans by 0.25-0.50 per tops in civil services exam in New Delhi •Supreme Court cent; 30. Uma Bharti taunches asks governments to take steps tion .Police register an to achieve total prohibition of against Union Health Mini her new party 'Bhartiya Janasakti'. liquor: 4. CBI conducts raids at Dr. Ambumani Ramadoss 24 places against former Dr. S. Ramadoss for alleg-May Harvana Chief Minister O. P. instigating the murder of Karunanidhi is Tamil Nadu Chautala, for amassing prop-AIADMK man who recently erty worth over Rs. 1400 cr.; 5. fected from DMK; 10. Pe CM Hyundai Motor India has plans leum Ministry recomme 1.35 persons killed in two hike of Rs. 5 for petrol, di to make a 1.2 litre diesel comseparate strikes by terrorists in [pact car •Gold prices cross Rs. and kerosene and Rs. 50 & K's Udhampur and Doda dis-10,000 per 10 gm mark •Su-LPG; Left rejects the prop tricts . Four killed in commupreme Court rules there won't Maharashtra expects red nal violence in Vadodara •IAF be quota for all-India seats in sugar output of 69 lakh tor phases out MiG-25 aircraft Pramod Mahajan develops PG medicat admissions in '06 - '07 crushing sea Assocham says mutual fund acute respiratory problem •En- Cauvery Tribunal drop: industry, now worth Rs. 2 lakh order to appoint an exp gineer Suryanarayana held by cr. would be worth Rs. 4 lakh Taliban killed, even before MEA committee on crop pattern cr. by 2010 • Music composer team reached Kabul; 2. Andhra water requirements •D Pradesh High Court stays SEBI Naushad Ali passes away; 6. High Court bans interview order on Karvy Group, letting Dabhol power plant to step up children or parents for nur production to 640 MW by May it continue normal market ac- ? admission •IITs to recruit tea tivities •India's LNG deal with § 15, from the current level of ers from EU countries Iran hits an impasse, as Iran : 300 MW; 7. India works out a ocean liner 'SS Norway' wants changes in the contract route bypassing Bangladesh for ported heading towards •Bus falls from Thane bridge, i importing gas from Myanmar Gujarat coast with suspec killing 31 •Child prodigy •Blistering heat wave in North load of toxic substances;

Buddhia Singh, 5, of Orissa cov-

ers 65 km in 7.02 hours; 3.

Third and final round of poll-

ing in Kerala and fourth phase

in West Bengal •Army de-

votes, i.e. 94 per cent; 28. Gov-

emment considering allowing

wheat import by private sector

Supreme Court says sales tax

can't be imposed on lotteries as

India, with mercury cross

45°C in Delhi • APJ Abdul Kal

is voted the biggest icor

Tamil Nadu in a CNN-l

online poll; 8. Election in Ta



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712/1, MUNIYELLAPPA GARDEN, KODIHALLI, BANGALORE - 560 017 PHONE: 25276969 Sonia Gandhi wins Rae Bareli out re-introduction of Capita mother Sehrunissa gets three Lok Sabha bypoll by a margin Gains Tax on equity transaction months .Ph.D. M. Phil. holdof 417,888 votes •Planning •32 killed as truck plunges into ers exempt from NET qualifica-Commission recommends 15 a ravine near Rajapur ir tions •Naxals kill 12 members more IITs: 12. Pilotless target Ratnagiri district •BJP and RSS aircraft Lakshya testfired •Cenof a marriage party in take strong exception to Pope's Gadchiroli in Maharashtra •Oftral Bank of India's business comments on alleged religiou fice of Profit Bill passed by Lok crosses Rs. 1 lakh crore •Indusintolerance in India; 21. Mili Sabha •Tamil Nadu Governtrial growth dips to 8 p.c. in '05tants carry out a suicide attact '06 as against 8.4 in '04-'05 ment says all qualified Hindus on a Youth Congress rally in can become priests (archakas) Infosys Technologies to hire Srinagar, killing 7 • Striking doc 30 intems from 17 European in Hindu temples: 17. Babulal tors told to vacate hostel technology and business Marandi, MP from (harkhand, •Tarapur N-power station' resigns from BJP •Committee to schools; 13. M. Karunanidhi asthird unit goes critical; 22. In study the quota issue in professumes office as Tamil Nadu dia witnesses the biggest crasi sional colleges • Mukherjee Chief Minister, the fifth time, in stock market - sensex falls b Congress lends outside support Commission reports that Netaii 1111.70 points, then recover to the DMK Ministry; 14. Pro-Bose didn't die in a plane crash; tests against OBC quota get by 654, and closes with a los Government disagrees •Inforstronger; demonstrations in mation & Broadcasting Minisof 457 points. FM assures that Bangalore and Orissa; Delhi ter watches the film The Da there is no liquidity cris ·Hurriyat not to attend th medicos begin hunger strike Vinci Code; decision on release Tarun Gogoi swom in Chief in India awaited •Recovery in round table conference •Tw Minister of Assam for another global metal prices takes members - Andre Beteille an term •Srinagar-Leh road sensex up by 344 points; 18. P.B.Mehta resign from Nation thrown open for the next six Government allows the screen-Knowledge Commission in pri months; 15. Another Black ing of The Da Vinci Code with test against Centre's reservation Adults Only certification and a Monday for the stock market. policy . Doctor's strike contin with a crash of 463 points in disclaimer saying it was a work ues, as talks fail • Supreme Cou sensex, as metal prices fall, Fils of fiction •Infosys to develop a seeks view of CEC on the d pull out funds from India, and training facility at Mysore to mand of BIP-led opposition market across the world suffer train around 9000 personnel at MPs for the ouster of Navee losses •Private doctors join the one place • Panicky sales on In-Chawla from EC •CAG repo IMA-called nationwide strike. dian stock market lead to says Delhi's Metro is sufferir medical services crippled • Pass-Rs.225,000 cr. meltdown; Filosses annually •Government ports of defiant H.K. Dogra, the nance Minister blames it on says TAP gas pipeline project faulty reporting on Fils •Tata's former High Commissioner to not a substitute for IPI proje New Zealand, and his wife re-Rs. 1 lakh car plant launched in and can only be an addition voked; 16. Ban on non-jodised West Bengal •ADAG bags 23. MTNL drops tariff - Dellsalt for human consumption Mumbai metro rail project; 19. Mumbai call to cost only 4 comes into effect •Supreme Reservation supporters in Parna p.per minute •Budget session Court says commercial banks clash with police •Pope asks of Parliament ends; 24. Sense can cancel bad debts with RBI India to allow conversion •Tax sheds 250 points •Secon approval, and writing off NPAs on interest on senior citizen round table on J&K opens i doesn't mean mismangement postal savings scheme to be de-Srinagar • Government to rais

•Best Bakery case: Zaheera's

ducted at source; 20. FM rules

the number of seats in all educational institutions receiving Central aid by 54% •Postal Dept. is considering investment of Rs. 225 cr. in stock market Subir Raha's term as ONGC chairman ends•Jaya Bachchan resigns as chairperson by GEAC; 26. • Pondicherry's official name changed to Puducherry • Detailed survey of Sir Creek to begin in November *South-West monsoon reaches Kerala; 27.Saina Nehwal becomes the first Indian woman to reach the final in a four-star event, when she reaches the badminton final of the Philippines Open •Centre orders increase in seats in medical institutions • In Bangalore, child marathoner Budhia Singh is stopped by police from undertaking a marathon race; 28. Bob Houghton appointed chief coach of Indian football team; 29. India and China sign the first-ever MoU on military ties •A 13-member Oversight Committee under Veerappa Moily set up to monitor implementation of OBC reservation Ailing Kerala MLA Mathai Chacko sworn in at a private hospital in Kerala by Speaker Rupee loses 23 paise to end at 46.09; 30. Arundhati Roy nominated for Spanish Prince of Asturias Prize for 2006; 31. As Fils continue selling spree, Sensex drops 388 points *Infosys Technologies to increase professionals in China to 5500 in five years, to have SEZs in Mysore and Thiru-

vananthapuram, and additional facilities in Mangalore, Pune, Chandigarh •GDP growth in 2005-06 is 8.4 pc; Recovery in agriculture remarkable •Doctors call off their 19-day-old strike •Screening of 'Da Vinci Code' suspended in Tamil Nadu • •BrahMos testfired successfully for the 12th time.

June

Shashi Tharoor is India's UNSG Candidate

1. Terror strike at RS head-

quarters in Nagpur foiled; three terrorists (suspected LeT) shot dead; •NSSO survey puts national average of disabled persons at 105 per 100,000, with Kerala (272) topping the states in mental illness •A Krishna temple to come up in Moscow Wullar lake tragedy toll is 21 children and one teacher •Jaya Bachchan again files her nomination papers for the Rajya Sabha •A.P and Meghalaya ban: screening of "The Da Vinci: Code"; 2. US slaps sanction Dawood Ibrahim Amitabh Bachchan and wife Jaya are worth Rs.227 cr. •New four-page 1-T returns form asks for income and expenditure of assessee and his bank and cash balances; 4. The air-version of BrahMos missile to be ready in the next few years; 5. V. Kurien resigns as chairman of IRMA •Petrol price is up by Rs. 4, and diesel by Rs. 2 • Goa bans 'The Da Vinci Code' •N. Gopalaswami to succeed B.B.

Tandon as CEC; 6. IBM to triple its investment in India over three years to \$6 b • Banks in Kerala to consider writing off agricultural loans of upto Rs. 1 lakh taken by farmers who committed suicide • Work on 8-lane ring road encircling Hyderabad and Secunderabad begins . India is the top newspaper 'power', with 78.7 m. copies sold daily . Manipur Assembly passes again the Office of Profit Bill in its original form after Governor returned it a week before . Emigration clearance not required for those with a basic qualification of matriculation, government clarifies; Number of countries requining EC brought down to 17 from 138; 7. Central team in Kerala to study suicides by farmers; 8. APJ Abdul Kalam makes a sortie in a supersonic fighter jet, Su-30MKI - the first President to do so: 10. National heritage status given to Dandi Yatra route • Women's fashion magazine 'Marie Claire' comes to India; 11. Army is ready to adopt marathon kid Budhia Singh • Heavy snowfall suspends Amamath Yatra • Public telephones and FM radio to be installed in Mumbai buses • Prithvi missile testfired • Militants blow up railway tracks in Sivasagar district • Centre approaches ICAO for clearance a second airport at Navi Mumbai NSG empowered to commandeer any available aircraft for launching 'hot pursuit' of hijackers; 12. Government

augurated: 17. All foreign has plans to introduce e-passluxury cars and SUVs imported ports by 2013 • An Assocham under EPCG scheme to sport a study says manufacturing seqyellow number plate •A former ments will create 25 m. new Intelligence official I.K. Sinha jobs in India • IT department asks Jaya Bachchan to file resays India can produce 50 nuclear warheads a year; 18. turns for 12 years; 13. Bid on minister M.K. Stalin's life in 24 passengers killed as bus falls into a gorge from Jammu Madurai foiled . Security beefed Srinagar NH1A •The 3rd unit up as intelligence reports put of TAPP to be ready six months Tai Mahal on the hit-list of terahead of schedule; it will inror groups; 14. Floods kill 8 in crease nuclear power genera-Assam • 3-day talks between intion by one-sixth . The aircraft dia and US end on a positive note • Planning Commission carrier Gorshkov to be delivsets 8.5 percent growth target ered to Indian Navy in autumn for 11th Five Year Plan . Union 2008: 19. Shashi Tharoor Health Minister asks celebrities meets Prime Minister not to promote cold drinks and Manmohan Singh; 20. Two former I&K ministers- G.A. Mir fast food . Government clarifies that the Senior Citizen Savand R. Mattoo - arrested in conings Scheme is taxable • Sensex nection with the sex racket case closes below 9000 • Indian India and China to meet on population to touch 1.4 b. by June 26 & 27 to arrive at a 2026 • Commerce Minister 'package settlement' of the moots a new department for boundary question' • Seven vilplantation; 15. Shashi Tharoor lages in Dantewada, Chhattisnominated for UN Secretary garh killed by Naxalites • Fresh General's post • Sensex records probe into Kanishka bombing the highest single-session gain of 1985 by judicial commission of 616 points . R.S.Gavai apbegins; 21. 16 States join the pointed Bihar Governor • Over Centre's New Pension Scheme 4.5 lakh people in 748 villages •Reliance Industries to invest affected by Assam floods •In-Rs.4000 cr.in West 8engal dustrialist Rahul Bajaj elected to ·Lightning kills 69 people Rajya Sabha; 16. Non-oil trade across Maharashtra in the past between India and UAE could few days; 22.Government cross \$25 b. by 2010, says clears the sale of 10% equity FICCI chief •The Rs.7986 cr. stake in NALCO and Neyveli Hyderabad Metro to get Cen-Liquite Corporation •Governtral funding •Centre raises midment stops export of pulses to day meal aid to States from control prices; 23. Mittal Steel Re.1 to Rs.1.50 a child •9.2 km nearing Arcelor takeover •CBI stretch of Bangalore-Mysore Inconducts nation-wide raids at frastructure Comidor Project in-19 places in connection with

import of Indian mangoes • Protest by people from 400 villages affected by six dams being built in Narmada valley, in Bhopal; 27. Reliance Industries to set up Reliance Retail Ltd. with an investment of Rs.10,000 cr. over time: 28. LTTE denies it had owned responsibility for Rajiv Gandhi assassination •Brah Mos, the supersonic cruise missile, is inducted into the Navy • Post Offices may soon be selling railway tickets: 29, S.Y.

the enquiry into the Navy war

room leak case •Indo-Pak talks

on India's plans to build a bar-

rage on J&K's Wullar lake •la-

pan lifts two-decade old ban on

tionals.

Ouraishi is made Election Com-

missioner •Bust of Gandhiii un-

veiled in Parliament building in

Berlin •Army understood to be

against permanent commission

for women; 30. Pakistan re-

leases visa regime for Indian na-

Nathula Pass Opened

Prime Minister announces

Rs. 3750 cr. relief package for six Vidarbha districts; 2. Kerala

agement to go to court against

Bill: 3. Heavy rains lash Mumbai

city for the third day •V.K.

Shunglu Overnight Group on

Narmada oustee rehabilitation

submitted •Home Ministry

considering a temporary bullet-

proof steel structure in Ayodhya

·First-ever agreement to regul-

arise bilateral exchanges signed

July

governor gives his assent to professional Colleges Bill; Man-

बार्ट क्या क्षेत्रका साल्यास

by Parliament of India and China • Spanish Prime Minister Zapatero in New Delhi •Cov-

emment cuts duties on SAFTA imports; 4. HAL puts production of Sukhoi - 30MKT in top gear, 5. Rain-related deaths in Maharashtra rise to 28 • AliMS Institute Body recommends clismissal of Director P. Venugopal for violation of Rule 9 of the Conduct Rules; Doctors protest

•Shahi Imam of Delhi Jama : Masjid forms new party, U.P. United Democratic Front; 6. Nathula Pass opens after 44 years enabling Indian and Chiand airports envisaged in the next six years • Rain havoc toll in Kerala is 109 •Supreme Court refuses to lift the ban on SIMI •8 new districts being created in JK; 7. Lakshmi Mittal to set up a 12 mt, Rs.40,000 cr. steel plant in Orissa •BSE to & vest 51 per cent equity, proposes IPO • Government to declare 500 Ms as Centres of Excellence •ONGC-NETTAL COTTA bine is looking at buying oil and gas properties in 21 countries •Inflation lalls to 4.84 pc

*Delhi High Court stays AIM3

recommendation to terrificate

the services of Director F.

Verugopals senices. •Cercie

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couraged *Centre's Roll 5 Mill | milet | T El 1991 it | *Indien ರು ಭಾರತದೇ ಕೆ. ಕಿ.ಕಿ. ಕೆ. ಮೇರ್ ಪ್ರದೇಶ ಕರ್ಮ ಮೇರ್ ಪ್ರವರ್ಣ ಸಂಪುರ್ಣ ಸಂಪುರ್ಣ ಸಂಪುರ್ಣ ಸಂಪುರ್ಣ ಸಂಪುರ್ಣ ಸಂಪುರ್ಣ ಸಂಪುರ್ಣ च प्राथमा विकास प्रतिवेद करिए । विकास स्थापन प्रतिवेद प्रतिवेद प्रतिवेद प्रतिवेद प्रतिवेद प्रतिवेद प्रतिवेद प्र ತ್ತಾತಿಗೆ 43*ೇ* ರವರ್ಯ ತಾಜೆ वर्ष-वर्षावं अर्फिस्ट में दें प्रेसिस के किया के किया है flight; 10. GSLV-FO2 carrying ellite crashes into Eay of Een- ? od Prine Misse Maurician Swith goest; grant strictive ; nese traders to cross the bor- dam Peyez Aimed Lone mesder, 29 commodities to be ex- termind behind grenzde etported to China, 15 to be im- tacks on Sakina ittoo killed; 11. ported •Investment of Rs. | Over 170 killed and 500 injured 320,000 cr. in highways, ports in the seven serial blasts that rock stations dotting the Westem Railway service in Mumbai, between 6 and 6.30 p.m. •It is revealed that the GSLV launch was not insured •India plans to buy 8 M i-17 copters from Russia: 12. India describet as 'appalling' remarks made by Pak France Minister Kasuri that draw a Tink between Mumba attacks and non-resolution of Irdo-ak disputes •Mumbai रिक्ट केवर्स क्वा क रिक्ट, Life's をなっていま。これを実施 by 315 millional Challed and والمساوي المساورة الم E. Taroukar begins oceafore 12 Control constitut

Total Target and Separate and the

aid of foreign organisations (Paissia Bandhan, India b ·Utor population in Girls 355 ; resided 7.75 in gioted de suc-•CESE proposes health dutes in 3 pure for 2005 by 0704: 15. schools, 9. Intermediate range | Farmer of it Vitable recies ballistic missile Agni - III . 650 with first saidle desire testired, but fails in its maiden : 16.35 farmer from Weding village in Amravachi district al-INSAT-4C communication sat- leging official spacing, seek permission from Presidencia ඉහරිය estimate office and an فالتعالقة المتوافقة construction work on Name at 1991 to see the 335 ಸ್ವಾಪಯಾರ್ಯವರ್ಷ ಪ್ರಕರ್ಮ •ಟ್ ಕ್ಲಾ ಪರ್ಯಕ್ಷ ಪ್ರಾಕ್ತ್ ಕ್ India in the last seven mortis 17. Centre to give Ra 5000 cm to develop NH17 in Kerala; 72. Four naval ships being sent to Lebanon for evacuating Indians from the country, where Hizabolah militant groups are underloraeli attack; 19. Rupes hite three year low of 46.55, as scaring crude off price causes concern •TCC to restain anon foreign nationals; 20. Cestion to account the South Pay Connmission is cleared by calming والمراد والمستران المسترانية المداء المرابع من المناطق المناسبة ال المعادة والمعادة والمعادة والمعادة ياست باسيمة هربس لا - معالمة K. Theregish Consists reaction of the section es a server sea com में) मेराज्याच्या कारत क Salar Salar Salar Salar Salar croged a Visible •Celli

ب عدد عام بر الكييسة من ومية

new demat account ban on for A&N Islands *UP to set up Bachchan raises 26,000 pounds a Tiger Society • Cauvery Tri-IDBI Bank, ING Vysya Bank from UK for victims of Mumbal bunal gets 6-month extension; and IL & FS •Microsoft India blasts •Symbiosis, Pune plans 3. Justice R.S. Pathak Inquiry launches a Rural Innovation a diploma course in chess Fund in partnership with Authority finds that former For- Syed Ali Shah Geelani placed rename eign Minister K. Natwar Singh under house arrest In Srinagar •Bill to IDRC and his son Jagat Singh mis-Pondicherry as Puducherry in-•Cabinet rejects President used their positions in getting troduced in Rajya Sabha Kalam's call for reconsideration ·Govt admits fall in wheat contracts in oil-for-food scam of the Office-of-Profit Bill; 23. production- only 9.2 million Annual inflow of FDI into In-IFFCO to set up a gas-based tonnes against the target of power plant at Kalol, Gujarat dia from US to increase to \$1 16 mt; 29. National Security b. by 2010; 4. Indian Railways •Tamil Nadu to shift to VAT Adviser says there is strong and SBI sign MoU for installfrom January; 24. Interpol In evidence of Pakistans' role in ing ATMs at 681 railway sta-Nairobi says the man arrested cross-border terrorism; 30. tions •Furore in Parliament on July 21 and suspected to be 25,000 people evacuated from over 'leak' in the media of R.S. an LeT man A.K.'Tunda' was a low-lying areas in Gujarat +in-Pathak report: 5. Floods in A.P. British national of Nigerian parcome Tax returns being reents; 25. RBI hikes its shortand Orissa kill 85 • Pakistan exceived by selected Post Offices pels Indian diplomat Deepak term lending rates for the sec- Tehri hydroelectric plant is Kaul alleging he was 'caught' and time in two months -reoperational •Evacuation of red-handed' indulging it verse repo rate is 6 p.c. and repo rate is 7p.c. •Air Deccan 70,000 people threatened by Pakistan activities; 6. N floodwaters is on; 31. A Forbes Singh gives privilege r overtakes Indian to become the second largest airline in India Prime survey says India is a better against in terms of market share; 26. place to Invest than China Manmohan Singh on t Centre refects Reliance Indus- Scheme in the offing for inleged leak of Pathak repo tries' proposal to sell natural gas. vestors to park upto Rs, 1 lakh dia-Pakistan peace confe to Anil Ambani's RNRL at a price In fixed deposit of commercial scheduled to begin in L lar below the current market banks and get tax benefit. put off; 7. Ruckus in parlia price • The next launch of GSLVover Pathak report •Ch August FOZ to take place within one sgarh bans sale of col year Six AllMS -like medical Pankai Advani Sensex crosses 11,000 super speciality hospitals to be •Tapi river overflows, f 1. Banks and housing fiset up in 6 states in 21/, years cause havoc in the indi Two soldiers in Kashmir picked nance companies hike lending belt of Hazira in Gujara up for possible links with LeT; rates by 25-50 basis points Gujarat asks for Rs.2000 •Nine-year-old ceasefire agree-27. Supreme Court discusses interim flood relief •K Kerala Govt's petition seeking ment between Government Government bans produ a review of its verdict allowing and National Socialist Council and sale of Coke and Peps the raising of the water level in of Nagaland extended by one persons marooned it Mullaperiyar dam from 136' to more year, 2. German software ONGC gas plant at Hazin 142' •RBI raises the ceiling on major SAP plans to invest \$1 cued; 10. Rajya Sabha C investments that can be made b, in India over five years •A man rejects Natwar Singh' by domestic mutual funds in parliamentary committee tice of breach of priviles overseas markets; 28. SEBI lifts favours a Legislature Assembly the House against the offi

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couraged •Centre's Rs.15,000 ft touch \$163. 260 b. •Indian cr. package for 16 A.P. districts to prevent farmer suicides •SC issues notice to NBA for alleged anti-national activities with the aid of foreign organisations Lion population in Gir is 359 •CBSE proposes health clubs in schools; 9. Intermediate range ballistic missile Agni - III testfired, but fails in its maiden flight; 10. GSLV-FO2 carrying INSAT-4C communication satellite crashes into Bay of Benqal •Prime Minister Manmohan Singh doesn't favour stopping construction work on Narmada dam •Reyaz Ahmad Lone, mastermind behind grenade attacks on Sakina Ittoo killed; 11. Over 170 killed and 500 injured in the seven serial blasts that rock stations dotting the Westem Railway service in Mumbai, between 6 and 6.30 p.m. •It is revealed that the GSLV launch was not insured •India plans to buy 8 Mi-17 copters from Russet up a 12 mt, Rs.40,000 cr. sia; 12. India describes as 'apsteel plant in Orissa . BSE to dipalling' remarks made by Pak vest 51 per cent equity, pro-Finance Minister Kasuri that poses IPO . Government to dedrew a link between Mumbai clare 500 Ms as Centres of Exattacks and non-resolution of cellence •ONGC-Mittal com-Indo-Pak disputes •Mumbai bine is looking at buying oil and blast death toll is 186; Life's nus properties in 21 countries back to normal; BSE sensex up •Inflation falls to 4.84 p.c. by 315 •National Statistical •Delhi High Court stays AliMS Commission headed by Suresh recommendation to terminate D. Tendulkar begins operathe services of Director P. tions; 13. Combing operations , Venugopulis services. •Centre by Anti-Terrorist squad in accepts site identified by progress in Mumbai •Delhi Huryana Gost, for setting up a police to install high-tech CCTV Much as plant •SC says intercameras in Rashtrapathi

post, in partnership with Dupont, launches waterproof and tear resistant envelope, right in time for the festival Raksha Bandhan. India is ranked 11th in global car output for 2005 by OICA; 15. Farmer toll in Vidarbha reaches 650 with fresh suicide deaths; 16. 35 farmers from Wadhona village in Amravathi district, alleging official apathy, seek permission from President to go for euthanasia •IFFCO and an Egyptian company acquire 1000 acres in Egypt to set up \$325 m. phosphoric acid plant •65 terror modules busted in India in the last seven months; 17. Centre to give Rs. 5000 cr. to develop NH17 in Kerala; 18. Four naval ships being sent to Lebanon for evacuating Indians from the country, where Hizabolah militant groups are under Israeli attack; 19. Rupee hits three year low of 46.99, as soaring crude oil price causes concern •TCS to recruit 4000 foreign nationals; 20. Decision to appoint the Sixth Pay Commission is cleared by cabinet Pak President Musharraf asks India to provide evidence of Islamabad's alleged involvement in Mumbai bomb blasts; 21. Reliance ADA Group to invest over Rs.61,500 cr. in Orissa to set up an institute of higher learning in IT •A multi-disciplinary university to be set up in Puri (Orissa) by Vedanta Re-Sources; 22 Anthrax kills two

reaches 852 •Elephant dies of Nadu launches Coimbatore as 50th year, has a total investanthrax in Thekkady, Kerala the Model Tier II IT City • Huge ment of Rs. 465,100 cr.; mar-•Geelani re-elected chairman haul of rocket launchers and ket pie rises to 77.5 per cent of the hardline factions of shells in A.P. • Ethanol-blended SCI to acquire 10 offshore Humiyat; 14. | harkhand's Ariun petrol to be marketed all over vessels in three years • Vice Ad-Muda NDA government falls; the country from Nov. 1; 9. miral Suresh Mehta is next UPA government with Inde-Rubber prices dip to Rs.77 for Naval Chief •Floods in M.P. pendent Madhu Koda likely ungraded •Prime Minister and Orissa •Kamataka makes •TADA court holds Shoib leaves on 9-day visit to Latin singing of Vande Mataram a America to participate in NAM Ghansar guilty of planting a must on Sept. 7 •Tripura, with bomb in Mumbai's Zaveri Ba-80.14% literacy, is 8th in the summit in Cuba and first IBSA zaar in 1993 •Prime Minister's summit • Supriva Sule elected country •Telugu director visit to Brazil for IBSA summit to RS from Maharashtra Kalvana Chakravarthy to make ends: 15. Prime Minister, on a film on Vande Mataram in Seven killed in I&K violence his way to Havana, says NAM 10 languages •Stock market •DIC(K) splits, with T.M. Jacob is as relevant today as during and Johnny Nellore quitting; closes in on 12000; 2. Sixth the Cold War . Separatists 10. Quake (4.0) rocks Pay Commission constituted with Justice B.N. Srikrishna as S.A.S Geelani and S.A.Shah are Gandhi's Meghalaya placed under house arrest •CBI chairman •RBI places United Satyagraha centenary •Police Western Bank under moratosays the Malegaon bombs presses for death penalty for were made of a deadly mixthe three Memon brothers rium till Dec. 1 • Ganesh Bank of Kurundwad amalgamated ture of RDX, ammonium niconvicted in Mumbai blasts with Federal Bank: 3. Flood trate and petroleum •Vandalcase: 16: Prime Minister situation worsens in I&K; 4. ism at Lucknow's Loreto Con-Manmohan Singh and Pak vent School; 17. National Millions hit by flood in Orissa; President Musharraf hold talks Relief hampered by rain Commodity and Derivatives in Havana and decide on joint •Kerala minister P.J. Jospeh re-Exchange (NCDEX) emerges mechanism to counter terror signs, following a reported world's third largest agricul- India-Australia cricket match misbehaviour to a copassenger tural exchange •VW to locate in Chennai abandoned •RID in an aircraft: 5. Sharad Pawar's its Indian greenfield car manuleader Ramdhari Singh killed in daughter Supriya Sule is canfacturing plant at Chakan, near Buxar • Manmohan Singh asks didate for RS elections • Prime Pune •India's external debt is NAM leaders in Havana to Minister warns State Chief: \$125.2 b. •South African unitedly fight terrorism *Prime Ministers of terrorist outfits in Deputy President Minister Manmohan Singh the country . Congress expels Phumzile in India • Passenger visits President of Cuba in Ha-Jagat Singh, Natwar Singh's car sales rise to 83,844 units vana; 17. A UP minister, son; 6. Opposition from Sikh in August from 72,272 in the Yugoob Qureshi, fined and Muslim groups to making same month in 2005 •Taslima Rs.14,000 for ticketless travel: singing of Vande Mataram Nasreen, Bangladeshi writer. 18. Railway Minister Lalu mandatory; 7. Vande asks for Indian citzenship or Prasad addresses IIM-A stu-Mataram sung in offices and permanent resident status: 12. dents on the turnaround of the schools of several states •Au-Four of the Memon family railways into the second largtomobile industry seeks tax members held quilty in the est profit-earning state-run unit holiday for investments ex-1993 Mumbai blasts cases; 13. Indian crude basket touches ceeding Rs.500 cr.: 8. Tamil Vidarbha farmer suicide toll 1 \$\$9.92, the year's lowest; 19.

Gipest porce base a terrorist , and Pepsi •Government plans (module; four Lashian isleeper - to add 100 food testing labs to cell members arrested •297 poto cases reported this year India is yaws-free, Ministry of Health says . HAL to build jet fighter engines; 20. 'Delhi Bandh', against a sealing drive by MCD, turns violent, killing three • Iharkhand Chief Minister Madhu Koda wins the vote of confidence .Rs.17,000 crore rehabilitation package for farmers in A.P., Karnataka, Kerala and Maharashtra with high suicide rates being considered •Cyclonic storm kills 15 in West Bengal; 21. President Kalam attends silver jubilee of Sri Chithra Tirunal Institute of Medical Sciences, Trivan-drum An American Express White Paper says there are 711,000 individuals with Laurd com of over \$100,000 in India, and new number will grow to 1.3 m. by 2009 *Government to set up one lakh rural computer klosks *Sensex surges to 12,274.27 • Gujarat Chief Minister Keshubhai Patel's wife billed in a fire in Ahmedabad Sealing and demolition suspended in Delhi till Sept. 25 CPI wants setting up of SEZs stopped •A Kerala Sastra Sahitya Parishad study says Rs 6787 cr. is spent on weddays in the state annually; and 13. { Fs. 2800 cr. on medical treat-A- (ment • Chikungunya kilis 25 y#1 people in Ecrala's Alappuzha 11. distort: 22. Kerala High Court dust its State Court, ban on the معنديا minufacture and sale of Coke

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the existing 31; 23. Telangana Rashtra Samiti withdraws support to UPA coalition government, on the Telangana state issue •Government to set up drug banks in the 600 districts in public-private partnership •PHD CO ಮರೇಗಾರ್ಡರಾಗ್ States (ಟ್ರಿಸ್ಟ್ ಡ್ ಡ್ಡ್ ಪ್ರತ್ಯಾ oraphical बाका कार्याक्यक वार्ष 30 % to industrial curret •Deepa Mehta's 'Water' ricminated as Canada's entry for 2007 Oscar in foreign film category; 24. 8-year old Mrutunjaya Mandal, runs a marathon and collapses • President Mushamaf puts forward his Kashmir solution in his book In the line of Fire *Education Mnazy pemia česned, var-יום לו למפשילונו אנו כו שפני rames «UPA chainman Mrs. Gardin says no Deputy Prime Minister's to be appointed: 25. Mumbai multiple PAN card holders to surrender over 3 lakh duplicate cards by Dec.31 •Eight farmers in Vidarbha commit suicide: 26. Mohammed Afzal, the mastermind behind the Parliament attack of 2001, to be executed on Oct. 20 •First case of polio in three years detected in Mumbai; 27. Pakistan allows imports of more goods from India • Speed Post Passport Service expanded to 873 post offices, in addition to the present 220 • Nirupama Rao is Indian ambassador in China «Yerala Covernment recommends CBI

probe into Marad riots •Oversight Committee recommends a review of OBC reservation regime after five years and again at the end of a decade of implementation • Lata Mangeshkar is 77 • President Kalam's website has 24 m. hits on Sept. 12, a record •The Centaut bomb fighi insaf seriet Mariet since 1993 is charged for tar-राज्या विकासित विकासित विकासित 28. A 50,000 - torre Russian wheet consignment rejected by STC because of high percentage of extraneous matter Clearance for 31 more SEZs, including the Rs.53,000 crore investment in Orissa by S. Korean steel company Posco; 29. Growth in manufacturing sec-2.8 ಈ ಗೆಳಲ್ಲಾ 9CD ಜನಿಕ ಇದ cer cent . Cabinet clears a - Rs.16978.69 cr. rehabilitation package for farmers in suicide-prone districts; 30. Kerala's Palakkad is the first 'total banking' district in India with every household having a bank account.

October

Booker Prize for Kiran Desai

1. Pondicherry becomes 'Puducherry' •Dengue deaths in Delhi •Shiv Shankar Menon assumes office as Foreign Secretary; 2. Anil Ambani is the third richest person in India, as ADAG market capitalisation touches Rs.100,00 cr. •India and South Airina to treble bilateral trade to \$10 b, by 2010

 Mukesh Ambani is the nch- Protests over death for Afzal nuclear cooperation with Inest in India, a position held dia •Cll-Infosys to launch a Guru continue in Srinagar so far by Azim Premji; 16. programme Toward 100 In- Supreme Court says speedy Sensex gains 192 to reach dian Billion \$ MNCs'; 7. 13 trial is a constitutional right 12,928 •Mayawati converts •Prime Minister Manmohan lakh people affected by to Buddhism; 17. Rupee at Singh and Thabo Mbeki Chikungunya in the north In-5-month high of 45.27 per launch Satyagraha Centenary dian states; 9. Govt. to hold talks with NSCN(I-M) in dollar •Dabhol power plant celebration in South Africa to restart by Nov. 15 •Plan-Amstedam •More dengue *35 pilgrims drowned in ning Commission targets 9% cases reported in Delhi; Madhya Pradesh; 3. LIC's growth in 11th Plan • Mobile 10.CBI registers a FIR against record in first premium inusers in India rise to 129.53 former Defence Minister come-150 p.c. increase to Rs. m; 19. Veteran actress George Fernandes, in the 1s-12,390 cr. over last year •Kerala where 71 deaths from raeli Barak missile case; 11. Srividya, 53, dies •35 feared dead in bus plunge near Chikunguniya are reported, Kiran Desai, 35, wins Booker Prize for The Inheritance of Loss Rewa *SC holds that the seeks help from Centre and WHO •India's nominee Shashi - the youngest woman to creamy India layer should be claim the Rs.42 lakh prize •SC excluded from reservations Tharoor announces withholds that it has the power to for SC & ST in Government drawal from the race for UN SG's post, after South Korea's review the pardon excercised 20. Tata Steel by President or Governor to a announcess the largest Indian Ban Ki-Moon emerges a dear convict; 12. South African takeover of a foreign comwinner in the fourth straw poll •India emerges as the seccricketer H. Gibbs says in New pany with a \$4.3 b, for Corus, ond largest global cotton pro-Delhi South African captain the Anglo- Dutch firm; 21. ducer •Mahesh Bhupathi says H. Cronje offered him money Delhi leads metros in deliverhe won't play for India •Prime twice to under perform in ing RTI Act •An army person-Minister concludes 4-day ODIs *BSNL cuts STD rates nel arrested in Delhi while al-South African visit: 4, RBI tells to Re. 1 for fixed line; 13. Parlegedly handing over sensibanks to issue passbooks to SB ties approve delimitation for tive papers to a driver of Pak 2009 elections •IITs placed account holders • Fidayeen at-High Commissioner; 22. Natack on CRPF headquarters in No.3 in global rankings of tional Security Adviser says Srinagar, three policemen world's 100 best technology India will share intelligence killed •WHO experts arrive in universities; 14. Hundreds of if Pakistan cooperates •Arun Kerala to study chikungunya Dalits embrace Buddhism and Nayar to wed Liz Hurley at deaths •'Garib Rath', the poor Christianity at a mass conver-Udaipur Palace in Feb'. 07 man's AC train flagged off at sion programme in Nagpur Gas leak in Kota kills one, 70 Saharsa, Bihar; 5. Foundation Jabbar Patel's film 'Dr. are ill •Faroog Abdullah laid for Western Railway's Babasaheb Ambedkar' to be wants Afzal to be given opdedicated freight corridor made in nine languages portunity to defend himself project •Family members of Mayawati says she wants to ·Railways to phase out Mohd. Afzal, who is facing be the first dalit Prime Minis-10,000 AC coaches • Navy to death penalty, meet President ter of India; 15. Air India flight restore Sea Kings; 24. Pranab Abdul Kalam; 6. Delay likely stranded at Heathrow airport Mukheriee sworn in External in the passage of legislation in for two days arrives in New Affairs Minister and A.K. US Congress on civilian Delhi with 300 passengers Antony Defence Minister. =



PART 03

रियाणभारतिस्वरित्वरित्वाचित्रवाम् भूत्राचार्यस्य

Dr. V. P. Kulkarni

Former Director, ER&DC, Trivandrum

The best and the very well known model of Knowledge Management (KM) is the human brain. The five senses touch, taste, vision, hearing and smell, collect the data. The brain computes the data, converts it into information and stores it in the memory. One part in the left half of the brain interprets the data while the right half applies logic and starts a thought process. Somewhere else in the inquisitiveness pops up its head and investigation starts. The intuition comes to the aid from somewhere. Feedback is collected from the environment. Finally, a concoction of information, intelligence, intuition, investigation, and inquisitiveness is formed and knowledge is formed. Intelligent and gainful management and utilization of knowledge brings in wisdom, which results into prosperity, well being and creativity to the individual as well as to the society. The technological revolution that is continuously taking place in the world over and the feasibility of collecting enormous amount of data, getting it processed into information, storing the information and converting it into knowledge by of the computer technology has made it possible to have repository of fathomless and limitless expanse of ocean of information and knowledge. Consequently, the management of knowledge using tools, techniques and processes has become a lifeline for the citizens • not only for keeping themselves afloat on the ocean (of knowledge) but also for navigating them to their cherished destination.

Knowledge by itself is an abstract perception. It takes different forms and content de-

pending upon the context of the situation one is dealing with. There is explicit knowledge in the head of an individual about the phenomena, events and the physical entities one expenences or comes across. In the context of an organization, its 'knowledge' is its 'know-how', its proficiency, its capability to take important strategic decisions and above all, its human intellectual potential. This knowledge results in assets like Intellectual Property Rights, patents, trademarks, business plans, intuitive predictions about futures etc. People create synergy by participating in brainstorming sessions and information exchange processes and apply tacit knowledge to find solutions to the encountered problems as well as to develop new techniques, know-how, processes and products.

Knowledge management basically comprises the following: 1) Knowledge creation generate data, process into information, learn, research, innovate and collate the distributed knowledge. 2) Capture knowledge from the memories, personal notes, scratch pads, diaries of individuals, documents, and computer data bases, often geographically distributed all over the globe. 3) Store the knowledge in knowledge repositories like web servers, databases, knowledge warehouses, knowledge portals and digital libraries. 4) Structure and transform the information and knowledge into well organized format such that it is conveniently, easily and quickly traceable and accessible. 5) Share the available knowledge with people through knowledge fusion into the society using the ICT and Internet tools. 6)

Manage the knowledge through the smart minds of motivated, committed and knowledgeable individuals. In other words, Knowledge Management system can be defined as a distributed hypermedia system for managing knowledge for individuals as well as for organizations for supporting creation, capture, storage and dissemination of expertise and knowledge. The Internet has provided a mighty tool for KM. Internet comprises a distributed hypermedia system using general purpose client server technology and diversity of knowledge sources and computing resources. Knowledge seekers - all of them often located at geographically distributed places - log on to the Internet and get the information on their computer at any time of day or night, without any time restriction. This has become a valuable asset for Intellectuals, researchers and students. However, it is not without problems. There is always a possibility that the user can get totally lost, if not drowned in the vast ocean of information. Those of you who have searched the Internet for any specific topic of interest, would have faced the fact that the Internet search engine, like Google for example, presents before you, within seconds, some lakhs of references and you get totally frustrated and impatient because you can't choose the correct hyperlink, which will take you to the desired information. The whole of the ocean of information is available to you but what you need is a relevant drop from this ocean which contains exactly what you are looking for at the specific time for a specific purpose. The KM, in this case, is to structure, segregate and catalogue this information and provide the tools and techniques to enable you to navigate on the ocean such that you reach your destination - a small drop containing your information, which might be located in some corner somewhere in the vast ocean. Large number of software tools are available which provide access to the knowledge portals and digital

libraries and present the data to the user in value added format using multimedia and virtual reality systems and various tools and techniques like Graphical Use Interface (GUI), animation and 3D virtual projections.

Knowledge-based Industry

The major assets of a KB industry are in the form of information and knowledge and the intellectual property is the capital. Synergy of the knowledge assets of the individual employee, company strategic planning capabilities, knowledge-based products, processes and services, and interdependencies and interactions between the various stake holders and disciplines have turned the industry of the modern society into knowledge-based industry, Technology is generating better performance and achieving breakthrough in business operations, in productivity improvement and in cost reductions when empowered with knowledge base and wisdom. Ongoing learning and unlearning, and adaptation of knowledge is giving the industry competitive edge. Employees sharing their I nowledge (residing in their brains and computers) can potentially lead to more effective problem solving and generate ideas for new or improved products and services. Basically, almost every industry, be it manufacturing industry, semiconductor industry using nanotechnology, pharmaceutical industry, or nano-biotechnology based industry, all of them are harvesting the knowledge and their structure is becoming increasingly knowledge-based, technology-intensive and skill based. A new class of industry has appeared on the scene in the knowledge and information society today. These industry products and services use information and knowledge as raw material and the processes are brain based. Computer software industry, IT ... enabled services (ITES), financial and legiservices, BPO industry, and media and entitainment industry are some of the example of such industry.

Knowledge Management.

Industry has to leverage intellectual assets through knowledge management. Core competencies get highly developed when deeper understanding of and knowledge about the technologies and processes get embedded into the products. Knowledge management helps in identifying risks and in developing better customer relationship. KM supports creativity, optimizes reengineering of the processes and improves strategic planning. The fundamental dictate of KM is to get the right kind of information to the right people at the right time. KM also means sharing of the knowledge with right participants in right proportions. Organizations have to develop culture and mechanisms that allow employees to share their knowledge with others, while avoiding information overload or misuse. Organizations have to promote, value and reward sharing of knowledge amongst workers, Knowledge management utilizes tools like Artificial Intelligence and Expert Systems, knowledge modelling programmes and brainstorming sessions. Software tools like secure, store, track and manage documents, synchronous interaction tools, data mining tools, elearning systems, and Enterprise Resource Planning tools (ERP) are often used in knowledge management. Another effective tool for collecting business intelligence and for extrapolation of trend setting predictions is the Delphi analysis. In this process a questionnaire is circulated amongst the experts in the field and their views and opinions about the future of a particular technology are sought. Discussions are held separately with each one of them at least in some cases. The data so obtained is analyzed and the differences in opinions of several experts are narrowed down after giving the experts a feed back about other's views and by sharing more information with them. A futuristic technology scenario based on the consensus is projected on the canvass and is used for strategic planning of a company. Multiple future trajectories based on such analysis and

projections can diminish the risk of strategic obsolescence.

Intranet and Extranet for Knowledge Management.

A typical KM strategy of a company is implemented through Intranet. All the functionaries are networked on the company's internal network called Intranet, which basically uses Internet protocols and is compatible with the Internet. The information regarding the projects, processes, designs, tools, inventories, consumer requirement; CPM -PERT charts etc. is made accessible to the persons concerned on a real time basis. Conference calls are set up amongst the participants. The progress of the work, schedules and bottlenecks are monitored on line. Corrective actions are taken. Such a system helps in improving productivity and lowering costs through synergy of people, processes and technology.

One of the Inter-company knowledge management systems - Supply Chain Management System - SCM uses extranets. The raw material and component vendor, the sub contractor, the manufacturing company, the marketing company, the distributor and the consumer normally form a supply chain, Extranet is formed when intranets of all these companies are interconnected. Everybody concerned is connected in real time and inventory supply from the component vendor can be regulated in real time as per the requirement of the manufacturing process. The Just In Time (JIT) inventory management achieved in this process is a big achievement of the SCM system. The second advantage of the SCM is that the stock in the manufactured goods warehouse also gets regulated as market requirements are fed back in real time, which regulates the quantity of products scheduled for manufacture at any given time. Increased productivity and lowering of costs are direct results of real-time monitoring and sharing

the knowledge about the requirements of manufacturing unit at well as that of the market demand, Interestingly, SCM is considered analogous to the game of playing cards. The Endge," You have partners as well as competitors participating in the game. You anneamer your bids in courcous manner. Your partner makes intelligent guesses based on his own cards. The competitor does not get an inking of what is happening and makes speculatory advances. The 'hands' you get are the fruits you and your partner can jointly enjoy.

Knowledge Management in Fishing industry.

Satel'ites take the pictures of the fish shoals moving in the oceans. The Global positioning system (GPS) using the satellites determine the latitude, the longitude and depth of the location of the fish shoal and transmit it in real-time to the fishing boat. The boats get the navigational assistance from the satellite, reach the top of the spot, where fish is located and see the images of the fish shoal on the monitors of their fish finder equipment. The cache becomes voluminous. Knowledge provided by the high-tech system to the small fisherman helps in enhancing productivity of the fishing industry.

Knowledge Process Outsourcing. (KPO)

Non core processes like for example the infrastructure management is generally outsourced under BPO(Business Process Outsourcing). Since knowledge processes themselves have become part of the input raw material of the Knowledge Based industry, it is nowbecoming common practice to outsource the knowledge processes themselves. Bevearch & Development, design of some of the products and processes, analysis and validation of performance as well as seltware programme divelopment are outsourced to companies which have the competence in the specific areas. The quality and the performance of the

products can be entired as a production of respondences be not selected as a contract of the production of the production of the same of the same of the contract of the contract of the contract of the contract of the production of the production

World Knowledge Platterm

The Hoominable Providence for the County Abdul Kalamhas grann a new dament and a tre-Knowledge Paradigm on Everyotted that the WorldEnowledgeFistformsbesit flacticated In the Excellency's editions to teast CONTEST'S feadership forum at March High 17 02 04, be has discussed the World knowled to Flettlern which will provide grower opportunities for the R&D organizations, empty to a 107, ET and other manufacturing and other from a group of nations, for point design drawlepment, production and marketing of knowle edge products to meet the world market in association with the partnering nations. India and the minded nations will be strategic partners in trade, butmess and industry and will deliver synerge be performance of VAIP in the world market. The VAPP we'll bring together the core competence of the partnering nations for design, development and production of the Enowledge products and systems. The WAP wall lead to explution of new markets through e-business petwork. The WKP will initially prepare a knowledge grid, which vall connect, using libre broadband, the R&D institutions universities and the industry from the partnership nations on selected R&D missions, The BATA 1 uplize the convergence of bio-name and imtechnologies and talle up missions mais week of areas related to energy management care, gene characterization and store of the search as well as research for damage treatment of cancer, diabetes # natural products, tourism 🛲 hardware, software and m

water treatment, etc.

Micro Fuel Cells connectivity

Fuel-cell-powered vehicles are passé. Portable fuel cells, called micro fuel cells, are set to make their presence felt on our palm very soon. When commercially available, these will replace conventional batteries like lithium-ion rechargeable in the next generation of power-hungry cellphones, laptops, digital cameras, camcorders, personal digital assistants (PDAs) and other gadgets. The market demand for micro fuel cells is building towards mass acceptance by 2008. Research firm Frost & Sullivan predicts that by 2008 as many as four million mobile devices will be powered by fuel cells. Another research by Winter Green Research expects the micro fuel cell market to reach \$11 billion by 2013. This represents a range of PC, handset, PDA and digital devices in a variety of industrial. military and healthcare segments.

Disc protection at hand

Now you can burn copy-protected CD on your CDwriter. No more fear of somebody stealing your valuable documents and applications! The blank media has a prewritten session comprising DiscKeeper security elements, leaving 600MB of space free for writing your digital content and a proprietary writing software provided free. These CDRs are fully compliant with the Orange Book standard and can be read on any standard CD/DVD reader/writer. uslindia.com offers premium copy protected blank media on which files like pdf, doc, xfs, ppt, jpg, bmp, mp3, html, mpg, avi, rtf, swf, flv, etc. and applications of ones' choice can be written where security is critical.

FLASH IN HARD DRIVES

In May 2006, Microsoft and Samsung showcased the technology of a hard drive with a Flash memory inside, at WinHEC (Windows Hardware Engineering Conference). However, the OS code that supports the Flash package will only ship with Windows Vista. The first unit that Samsung showed off in 2005 had 128 MB of Flash, which was used to cache start-up data and other frequently-accessed information, both to make the loading of the data into RAM faster and to boost laptop battery life. Intel plans to incorporate the Flash on an add-in card rather than putting it in the hard drive. This approach allows the Flash to be replaced easily and will keep hard drive prices down, but will raise the system price. In fact, Intel, Hynix, Micron, Sony and other companies have founded the Open NAND Flash Interface (ONFI) working group, which will develop a specification that might make it easier to incorporate Flash memory in laptops.

The initial specification is expected to be completed before 2007.

Nanotech begets BlueGene

IBM is backing a research centre being developed at Rensselaer Polytechnic Institute (RPI) worth \$100 million. The Computational Center for Nanotechnology Innovations (CCNI), based at Rensselaer Technology Park in Troy, New York, fuels further research into shrinking electronic development including computer chip. An IBM BlueGene supercomputer, yet to be built, will power the effort. It will be able to perform trillion

calculations per second (70 teraflops). According to Herb Schultz, marketing manager for BlueGene IBM, to do simulations on how molecules react, which is the essence of nanotechnology, researchers need the computing power that Blue Gene delivers.

TV-on-mobile chip

Royal Philips Electronics has released a TVon-mobile chip that is six times smaller than the previous versions. The TV-on-mobile technology provides consumers with live access to news, sports highlights, music videos, interactive programming and more on mobile phones, personal media players and other small portable devices. Named BGT215, the chip measures just 7x7 mm2 but contains all the functionality of a complete digital TV front- end receiver Small size makes it easy to integrate the chip into mobile phones, enabling extensive product differentiation for smaller, more elegant phone designs with greater consumer appeal. The chip maintains the advanced features of prior versions and delivers low power consumption

Chip at tiny new scale. Intel has developed the world's first microchip that promises to be a more powerful, efficient processors. The fingernall-sized memory chip is etched with one billion transistors that are only 45 nanometres wide-around 1000 times smaller than a red blood cell. Packing about two times as many transistors per unit area, it will help future products and platforms deliver improved performance.

Boot Camp Lets XP Run on Intel Macs

Windows XP has arrived on Intel-based Macs, courtesy of two new pieces of software-Apple's Boot Camp and Parallels' Workstation 2.1. Boot Camp is an option for anyone who'd like to run OS X but still needs Windows for productivity or gaming Boot Camp and Parallels Workstation take different approaches to bringing Windows to Mact. Apple's utility belos automate the process of creating a dupl-to-ed morn on that can run Windows natively. The furtie hat to will be built into Mac OS X, dubbed Leopard. In contrast, Parallels employs Intel's virtualisation technology to run Windows and other operating systems from incide OS X. Boot camp works only on Apple's new Intel-based Macs plus a firmware update

Increase battery life

With portable devices like cellphones, PDAs and laptops gaining popularity among consumers everyday, batteries are becoming critical selection enteria for such devices. With the costs of batteries becoming quite significant, here are a few tips which would help a user to wring the maximum performance out of the portable desires. The battery that is used in metile phones is a compromise between the capacity vertile the size and the weight of the hattery. So that leaves just one choice to reduce the size and prolonging the life of the batteries because performance comes at a price and the original batteries costs quite a bit to replace

Few tips. The worst enemies of a battery is heat and rough handling like dropped or twisted or otherwise tortured. Enow that battery will not last much longer if it is charged longer, because the battery can't hold any more charge than it is designed for Besides most of the batteries have a fire! life span of a 400 600 cycles of charging and recharging. Each time a device is left on the charger, the device starts discharging after the battery is fully charged. This cycle of charging and discharging cuts down The " of battery quite sharply. Commicomplete discharging the batter 2000 recharging is bad. So, charge and the low battery warning, at 5-10% of the total charges

द्रशृह्यतिपात्य

children's toys, word processors, pocket calculators, industrial robots, home appliances, etc. - to mention a few of their innumerable uses and there is practically no new machine, instrument, control equipment or information system that does not have a microprocessor in it.

Characteristics of Computer: Speed, Storage and Retrieval, Accuracy, Versatility, Automation, Diligence (no fatigue), etc.

Computer Application: Education-at school & home, libraries, scientific research, office automation, report generation, banking, insurance, engineering colleges, manage-ment tool, industrial application, communication, traffic management, medicine, weather processing, space research, defence, stock & share market, games, payroll package, salary slip generation, tax calculation, fashion designing, product design, system analysis, hospitals, architecture, mass mailers, online ticketing, booking vacation, etc.

Classifications

The first four generations of computers were based on the technology of the age to which they belonged. They were thus based on the vacuum tube technology; the transistor and printed circuit technology; the integrated circuit technology and the Very Large Scale Integrated (VLSI) technology, respectively. The marvel of the fourth generation VLSI technology is that a microchip weighing a few grams — a thin silicon chip using 0.13 micron technology (SDRAM) has a memory capacity of one Gigabyte (10° or 100 crores of

bits of 0s and 1s equivalent of 8,000 newspaper pages). (Note: bit is an abbreviation for the binary digit). Presently the development has entered areas of "Artificial Intelligence." These are generally called Fifth Generation computers.

Today computers can be classified as mainframe computers, mini-computers and micro-computers.

Mainframe computers are expensive, large, centralised computer facilities where a super computer (like the CRAY or PARAM or CYBER) or a large computer (like the DEC 10, IBM S390 models etc.) is connected to several terminals. A multi-user mainframe computer has a large memory and is capable of speeds of the order of several billions of floating-point operations per second (Flops).

Mini-computers are also multi-user computers comparatively operating at slower speeds and lesser memory. In the mini-computer category are the extremely popular DEC10, PDP-11 and the VAX-11 computers of the Digital Equipment Corporation (DEC).

Micro-computers are based on standard micro-processors marketed by Intel, Motorola, etc. A micro-processor is a single silicon electronic chip which contains the ALU and the control unit.

Micro-computers are often called Personal Computers or PCs since they were originally intended to be single user devices either at the office or at home. The home computer is a PC providing education, entertainment, information and communica-tion facility at home. Now-a-days one can send email, egreetings, chat, play games, hear music,

play video, videoconferencing, do stropping, banking operations, reserve traveltickets, with the help of a home PC and internet volhout feaving one's home.

The Micro World

The micro-computer industry was revolutionised by the entry of 1814, which started marketing PCs in 1980.

Binary System

Zero and one in their endless combination constitute binary system on which computers are based. A scheme of numeration with base ten requires ten symbols or ciphers (including zero), whereas an arithmetic with the base two requires only two ciphers: 0 and 1.

The binary numbers for the following numbers are written as 0 - 0; 1-1; 2-10; 3-11; 4-100; 5-101; 6-110; 7-111; 8-1000; 9-1001; 10-1010; 11-1011; 15-1111; 16-10000.

Boolean algebra was developed to deal with binary numbers. Under the binary system all ordinary arithmetical operations are reduc-ed to their simplest form The binary system of numeration was used early in the seventeenth century by Thomas Harriot.

Understanding Computer

CPU The System Unit contains the heart of the micro-computer - a micro-processor, the Dynamic Random Access Idemory (DRAM), floppy disk drive(s) and Zip drive for auxiliary storage, CD ROM drive/writers for multimedia, a built-in speaker and some expansion slots for system enlargement. Additional dynamic memory boards, chips and modules can be used to enhance the memory of the micro-computer. The ROM stores permanently programs essential for the operation of the micro-computer, Multimedia card (sound card) with external speakers and a MODEM (as an interface with telephone line) can be added to the system unit to enhance #1 capabilities such as for internet access, etc.

Motherboard A mintherly and is depropriate from dispert up to support a species type of processor and its proformance and set as features depends on the cheeset.

What makes this compresent to improve the is the fact that all the other complements york as, video card, yound card, hard denet. CD ROMdraes, and exemprophysical importer modem, etc., plug into and communicate with each other so the motherboard. The motherboard acts as the central (and largery part of any computer,

Chipset The motherbrand is but 't are unit a chipset that supports a specific class of processors and memory. The main system of their commonly called the North Endage, compases the loose circuits that contain a block print of how the processor, memory and other integrated components on the motherboard are meant to communitate, it acts like a hub, control in a the transfer of data between the processor, its cache, tratem buses and various peripherals. The time's transfer of data free of error is probably the most important job of the system. Its profeciency in performing this task distates how well the system works as a whole. Other this a the North Bridge, motherboards also have a separate South Endge that integrates, numages and controls all texternal (DE, 45A, FC), USB, IEFE, etc., devices.

Nowadays motherboards with integrated graphics and audio features are getiring in pufor owing to its. low cost

Memory Today, most FC systems (Fersonal Computer) come with 25t MB items basic applications 512ME-1GE in non-field a optimal performance when mind that have and multimed a programs

The Role of Memory in Computer Propie in the computer arduity continue is use the term "memon" to refer to RAM (Ran from Access Menning). A computer onec Fain to beldtengssom matturbien omfatt to complete tasks. This emalons that

CPU (Central Processing Unit), to access instructions and data stored in memory very quickly. A good example of this is when the CPU loads an application program - such as a word processing or page layout program into memory, it allows the application program to launch and work faster and efficiently as possible.

Memory and Storage The term memory refers to the amount of RAM Installed in the computer, whereas the term storage refers to the capacity of the computer's hard disk. Another important difference between memory and storage: the information stored on a hard disk remains intact even when the computer is turned off. However, any data held in memory is lost when the computer is turned off.

Megahertz (MHZ) Memory chips has the

ability to synchronise themselves with the

computer's system clock, making it easier to

measure speed in megahertz, or millions of

cycles per second. Therefore, it makes it easier to compare the speeds of different components and synchronise their functions. In order to understand speed better, it's important to understand the system clock System Clock A computer's system clock resides on the motherboard. It sends out a signal to all other computer components in rhythm Each wave in this signal measures one clock cycle. If a system clock runs at 100MHz, that means there are 100 million

clock cycles in one second. Every action in the computer is timed by these clock cycles, and

every action takes a certain number of clock

cycles to perform. It's possible for the CPU

and other devices to run faster or slower than the system clock. Components of different speeds simply require a multiplication or division factor to synchronise them. The variations could be because most of the time, the system bus and other components run at different speeds.

Cache Memory Cache memory is a rela-

tively small amount (normally less than 1MB) of high speed memory that resides very close to the CPU. Cache memory is designed to supply the CPU with the most frequently requested data and instructions. Because retrieving data from cache takes a fraction of the time that it takes to access it from main memory, having cache memory can save a lot of time. If the information is not in cache, it still has to be retrieved from main memory. but checking cache memory takes so little

Levels of Cache: Today, most cache memory is incorporated into the processor

chip itself; however, other configurations are possible. In some cases, a system may have cache located inside the processor, just outside the processor on the motherboard, and/ or it may have a memory cache socket near the CPU, which can contain a cache memory module. Whatever the configuration, any cache memory component is assigned a "level" according to its proximity to the processor. For example, the cache that is closest to the processor is called Level 1 (L1) Cache. the next level of cache is numbered L2, then L3, and so on. Computers often have other types of caching in addition to cache memory. For example, sometimes the system uses main memory as a cache for the hard drive. It's important to note that the term cache can refer specifically to memory and to other storage technologies as well.

Networking

time, it's worth it.

A network is the means by which computers share and exchange information and resources across either short distances (Local Area Networks) or globally (Wide Area Networks). Advantages of Networking are: i. Shanng of data, ii. Transfer of files, iii. Data security; iv. Less memory usage, v. Common hardware, software resources, vi. Cost sharing or less expensive.

Making the best use of networking tech-

ology is about making better use of business esources, enhancing productivity and effiency, reducing costs and gaining competive advantage. Networking enables everyne in an organisation to communicate with nd share resources with everyone else-givng them access to data held in individual Cs, by remote office sites or external supplirs and giving users the ability to share printrs, fax, CD-ROM and modem technology tc. Networks can be designed for rganisations of all sizes from the small office vith between two and ten workstations to he largest international corporations linking housands of workstations.

Types: LAN - Local Area Network, MAN -Metropolitan Area Network, WAN - Wide Area Network.

A LAN is a group of desktop computers

ocated relatively close to one another and connected through cabling system to enable them to share access to computing resources. LAN satisfies two fundamental requirements -(a) Sharing information and (b) Sharing computer resources. A LAN typically consists of PCs on the same floor of a building or situated on different floors in the same building. It may even consist of computers which are within the factory area, but spread across various buildings like administrative block or production block or warehouse, etc.

LANs consist of workstations which are connected to a central computer called file server (special purpose computers). [Workstations are the nodal computers on which users do their work-like executing their own application programs locally and sending request to the file server for any of the network function and receiveing the response from the file server. All workstations on LAN would have a Network interface.] LAN's topology are of 3 types (a) Star (b) Ring and (c) Bus.

It mainly consists of the following three components:

Medium: Over which data transfer takes

Wi-Fi phone

Netgear and Skype have unveiled a Wi-Fi phone that functions over the voice-over-IP service. The phone allows Skype wireless service users to call anyone anywhere in the world The Skype users can use the phone or any wireless Internet connection alteentering their username password. The phone will function or encrypted Wi-FI networks as long as the user has the proper network ID.

place. It can be a telephone line; a coacable or a fibre optical cable,

Network Interface Unit (MIJ): It provian interface between the IAN medium a the computer hardware, generally a NIU rectly interfaces with the main system.

Network Software: Runs In cach of computer systems connected to IAN . provides network-wide communication pabilities to the user software, A part of software resides in the network interface in

When computers are spread over a langeographical area, like intercity, intraacross buildings, etc., and still they are ex nected to one another in order to sti-Information, the configuration is exited W. Area Network (VIAIA). VIALLAGE extensions. LANS. Two LANS can be corrected by the phone lines and moderns A Pointe Conpurpose computer, and newspaper represent system (NOS) is required to acception to connection. VIAII, therefore, and the the take full advantage out only of modurer one ميمون يعير بسيست ياسيه موسر دوم با God but also working from home, toping - toping with external supplies and significant and builting bake to estimate and and and tional offices.

Windows Vista is Microsoft's new OS, rought out in six versions, from Starter to nterprise editions. All versions are available 1 both 32-bit (x86) and 64-bit (x86-64) rchitectures, except Windows Vista Starter poly in 32-bit architecture).

Windows Vista Starter Much like the Vindows XP Starter Edition, this edition will be limited to emerging markets, mainly to offer a legal alternative to using mauthorised copies. It will be severely imited, for example only allowing a user to aunch at most three applications with a user nterface at once, will not accept incoming tetwork connections, and physical memory s limited to 2 GB. Additionally, only Celeron and Pentium III processors from Intel, and AMD's Duron, Sempron and Geode processors are supported.

Windows Vista Home Basic Similar to Windows XP Home Edition, Home Basic is intended for budget users not requiring advanced media support for home use. The Windows Aero theme with translucent effects will not be included with this edition. Home Basic will support up to 8 GB of physical memory.

Windows Vista Home Premium Containing ill features from Home Basic, this edition will idditionally support more advanced features simed for the home market segment, such is HDTV support and DVD authoring. Extra lames, mobile and tablet computer support, lie system encryption, and a photo nanagement application are also included. his edition is comparable to Windows XP fedia Center Edition and Tablet PC Edition

Home Premium will support up to 16 GB of physical memory.

Windows Vista Business Comparable to Windows XP Professional, and aimed at the business market. Does not include the Media Center features of Home Premium, but does include the IIS web server, fax support, offline files, dual physical processor support, Remote Desktop, ad-hoc PZP collaboration capabilities, and support for 128 GB of memory. Product activation is not present in this edition.

Windows Vista Enterprise This edition is aimed at the enterprise segment of the market, and is a superset of the Business edition. Additional features include a single-session version of Virtual PC, multilingual user interface support, BitLocker Drive Encryption, and UNIX application support. This edition will not be available through retail or OEM channels, but through Microsoft Software Assurance.

Windows Vista Ultimate This edition combines all the features of Home Premium and Enterprise editions, and additionally comes with podcast creation support — which Microsoft has dubbed "blogcasting" — a game performance tweaker (WinSAT), DVD ripping capabilities, and special online services for downloadable media, as well as additional customer service options. The Ultimate edition is aimed to be the most impressive edition of Vista, aimed at highend PC users, gamers, multimedia professionals, and PC enthusiasts.

"Home Basic N" and "Business N" editions of Windows Vista will additionally be available

in the European Union. These editions will ship without Windows Media Player, as required by sanctions brought against Microsoft for violating anti-trust laws.

Capable: A modern processor (at least 800MHz1); 512 MB of system memory; A graphics processor that is DirectX 9 capable.

Premium: 1 GHz 32-bit (x86) or 64-bit (x64) processor1; 1 GB of system memory;

A graphics processor that runs Windows Aero2; 128 MB of graphics memory; 40 GB of hard drive capacity with 15 GB free space; DVD-ROM Drive3; Audio output capability; Internet access capability.

Features available in specific premium editions of Windows Vista, such as the ability to watch and record live TV, may require additional hardware.

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Linux is a scaled-down UNIX operating system originally developed by Linus Torvalds, then a University student in Finland, now used in everthing from PDAs, watches, PCs, consumer electronics, servers and supercomputers.

Beginning Linux was originally Minix, an educational version of UNIX developed by Andrew Tannenbaum. As an interesting aside, we might be talking about Minix today if not for the licensing that Minix required. Few people have heard about Minix today, far less than have heard about Linux.

Early on, Linux grew as a cheap UNIX that ran on Intel-based PC equipment. At the time, you could purchase UNIX for PCs, but at a high cost (as much as \$1500 for a developer's version of Interactive UNIX).

Linux Distributions Technically, Linux is really just an OS kernel, produced under the direction of Linus Torvalds. But, Linux usually comes with a set of utility, desktop, and server programs, including networking suites, Web servers, file systems, compilers, and a whole lot more. For example, Linux includes the XFree86 version of the X Window System, the GNU C compiler GCC, and code from quite a lot of other sources. But to make

things confusing, there's more than one version of Linux.

A number of organisations, commercial and some volunteer, collect together versions of all these programs with the Linux kernel, test that everything works together, and then release what is called a distribution of Linux.

The main Linux distributions include: RedHat, Kondara MNU/Linux, SUSE (self CD-loading), Linux Mandrake; Knnopix; Slackware.

The best Linux distribution to try is the one that is handy or readily available from friends, computer magazines or books, etc. For further reference - url:http://sourceforge.net

Computer virus

Computer viruses are programs that spread across computers by attaching a copy of itself to the files on your infected computer. When you run the infected file the virus gets into action. A virus is usually harmful and can corrupt data, overwrite files, or use up system resources, and slow it down in the process. Some may be merely disturbing like sending email using your addressbook. Viruses are usually writen by programmers to cause trouble.

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Open Source movement is a large movement of programmers and the computer users that advocates unrestricted access to the source code of software. It grew out of licenses like BSD, the ubiquitous access to Unix source code at universities. The boundary between the Open Source and Free Software movement is blurred, Richard Stallman and Linus Torvalds personify the trend that created Open Source Community of developers. The biggest strength of Open Source has been that it is free. Besides. it has not the advantage of peer-review and sustained innovation in software. The basic idea behind Open Source is, when programmers read, redistribute and modify the source code for a piece of software, the software is evolving. People improve it, adapt it and fix its bugs themselves at astonishing speed. Almost everybody knows Linux but there are other success stories like FreeBSD (Unix-like OS); GNU (mother of all FOSS applications, esp., the GNU Compilers), Firefox (web browser as an IE alternative and used by 100 million), Apache (web server hosting numerous websites), MySQL (database server), php (personal home page: web programming language created by Rasmus Lerdorf powering dynamic websites and enterprise as well), Thunderbird (alternate email client to Outlook, without security flaws), KDE (graphical desktop environment FOSS OS), and Debian (a distribution of Linux termed as 'totally free').

रेस्यरेस्टर्गा

As of March 31, 2006, according to Internet World Status, over 1.02 billion people use the Internet. Google search engine claims indexing 8.05billion pages whereas Yahooclaims 19.2billion. Internet was conceived in the form of computer networking at the Massachusetts Institute of Technology in 1962. After a incubation period of seven years the firstborn of the species appeared on the scene in September 1969 as Advanced Research Project Agency Network (ARPANET) of Department of Defense of Government of USA. The DOD was

working on a complex project where the input of very high academic and technological content was required to be integrated. The work was being carried out at Stanford Research Institute, University of California at Santa Barbara and at Los Angeles and University of Utah. The computers at these four places were networked together and communications between them were established thus creating the ARPANET. ARPANET consisted of four major technological breakthroughs. (1) Interface message processor, (2) Network topology, (3) Network metrics and

(4) Architectural design. M/s Bolt Beranek and Newmon, M/s Network Analysis Corporation, University of California at Los Angeles (UCLA) nd DARPA were the agencies working toether to evolve the ARPANET. The first pubc demonstration of the network was rganised during the International Computer ommunication conference in September 972 and presented by Bob Kahn, the degner of the ARPANET architecture. The numer of computer users connected to the netork was 15 in 1971 and rose rapidly to 407.1 illion in November 2000.

The next major milestone was in 1982 then Defense Data Networking (MILNET) reated TCP/ IP protocol suites for ARPANET nd other military networks. It is natural to xpect that when large number of users get n to a network, all of them must use the ame standard formats and protocols so that ne data can be transferred from one system another in an orderly fashion. These Transer Protocol and Internet Protocols (TCP & IP) ave now been universally accepted. Once ne network was established, the users wanted o transfer large data files. Hence came the File Transfer Protocol" (FTP) (1971). Subsejuently E-mail became a reality in 1972.

Computers and Communication It was in 990 that ARPANET was converted into a

public network and opened to all the citizens. The formal birth of Internet was registered, when Internet Society was chartered in 1992. Internet grew rapidly due to its widespread applications and it provided utility and services to the common man in the society. The first requirement was to develop the capability of transferring files and data from one computer to another. For this purpose, a worldwide network of computers had to be established in such a way that any computer anywhere in the world could be connected to any of the millions and billions of computers - like a spiderweb. No wonder then that this Internet infrastructure was christened as World Wide Web (WWW).

Internet 2: Thirty four US research institutions joined hands in 1996 to form the Internet 2 consortium. Meanwhile, US government also introduced a proposal for next generation Internet - a virtual initiative focussed on federal agencies like NASA, Defense, etc. Both the initiatives being complimentary, have the same goal. Internet 2 offers super speedconnectivity of 155mbps through fibre optic backbones and network protocols. It is believed to achieve a speed 100-times faster than a typical US University-Lab connections and almost 3000-times faster than dial-up connection

Man 770

Web 2.0 refers to a second generation of services available on the World Wide Web that allow people to collaborate and share information online. Unlike the traditional static Web pages of the first generation. Web 2.0 gives users an experience akin to desktop applications. Web 2.0 applications often use a combination of techniques devised in the late 1990s. including public web service APIs (dating from 199B), Ajax (199B), and web syndication (1997). They often allow for

mass participation (web-based social software) The concept may include blogs and wikis Web 2.0 was originally created as a marketing phrase O'Reilly Media and MediaLive International popularised the term as the name for a series of web development conferences that started in October 2004 CMP Media, which purchased MediaLive, claims the term # a service mark for live events, resercing exclusive use of the term for its ." conferences

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अप्रियोच्या राष्ट्रभाग

popular term for a high-frequency wireless local area network (WLAN) that is generically referred to as 802.11 network, more specifically the 802.11b nomencla-ture given by the Institute of Electrical and Electronics Engineers (IEEE). It is part of a series of wireless specifications developed by IEEE. It scores over wired LAN with mobility and ease of set-up. Products marked 'Wi-Fi Certified' (a registered trademark) by the Wi-Fi Alliance are interoperable with each other, even if they are from different manufacturers.

Wi-Fi Facts: 802.11 refers to a family of specifications developed by IEEE for wireless LAN. The several wireless specifications are mentioned below:

- 802.11: Applies to wireless LANs and provides 1 or 2 Mbps transmission in the 2.4 GHz
 dusing either frequency hopped spread spectrum (FHSS) or direct sequence spread spectrum (DSSS).
- 802.11a: An extension to 802.11 that applies towereless LANs and works on the 5GHz frequency spectrum at a maximum data transfer rate of 54 Mbps.
- 802.11b: Also referred to as 802.11 High Rate or Wi-Fi, it is an extension to 802.11in the 2.4 GHz band.
- 8D2.11g: Offers wireless transmission over relatively short distances at up to 54 Mbps and operates in the 2.4 GHz range.

In India, only the 802.11b standard working on 2.4 GHz frequency range has been delicensed for indoor use. The 5GHz spectrum has not been delicensed for use since it coincides with the spectrum used by the police department.

WIMAX

WiMax stands for 'worldwide inter-operability for microwave access.' The term 'WiMax' is the name created by the WiMax Forum to refer to its definition of 802.16. The WiMAX technology supports data-transmission rates of up to 70 Mbps with a range of up to 48 km, much farther than Wi-Fi. It ensures compatibility between different vendors' fixed-wireless broadband equipment to provide fast wireless data connections between fixed points over long distances. Laptops would incorporate WiMax by 2007.

WiMAX is the 802.16x specification for wireless metropolitan area network (WMAN), developed and promoted by the WiMAX Forum(comprising industry like Intel, Nokia and AT&T), to standardise it universally. The 802.16 specification is the designation offered by the IEEE, the de-facto body to authorise Wi-Fi standards globally. WiMAX will complement Wi-Fi.

The WiMAX signal could be sent as a broadband signal over a large area. The wireless signal would then be connected to a Wi-Fi box that would broadcast the signal to laptops and PDAs.

Bluetooth

Bluetooth technology is a cutting-edge open specification that enables short-range wireless connections between desktop and notebook computers, handhelds, personal digital assistants, mobile phones, camera phones, printers, digital cameras, headsets, keyboards and even a computer mouse. In a nutshell, Bluetooth technology unplugs your digital peripherals and makes cable clutter a thing of the past.

रेष्ट्रयपि ए दि रेखिरीय

A blog is a web page made up of usually nort, frequently updated posts that are ranged chronologically—like a what's new age or a journal. The content and purposes blogs varies greatly—from links and ammentary about other web sites, to news yout a company/person/idea, to diaries, hotos, poetry, mini-essays, project updates, ven fiction.

Blog posts are like instant messages to the eb. Many blogs are personal, "what's on ly mind" type musings. Others are ollaborative efforts based on a specific topic area of mutual interest. Some blogs are ir play. Some are for work. Some are both. Blogs are also excellent team/department/ impany/family communication tools. They elp small groups communicate in a way that simpler and easier to follow than email or iscussion forums. Use a private blog on an itranet to allow team members to post lated links, files, quotes, or commentary. et up a family blog where relatives can share ersonal news. A blog can help keep veryone in the loop, promote cohesiveness nd group culture, and provide an informal roice" of a project or department to utsiders.

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There are various types of blogs, and each iffers in the way content is delivered or ritten.

A blog can be defined by its incorporation f media: a blog comprising videos is called vlog, one comprising links is called a nklog, or one comprising photos is called a hotoblog.

Blogs can also be defined by which type of device is used to compose it. A blog written by a mobile device like a mobile phone or PDA is called a moblog.

A blog can also be defined by its genre. For example, if a blog is mainly about politics, it can be called a political blog. A blog about travel could be called a travel blog.

A blog can also be defined by the legal entity of its publishers. A blog can be private, as in most cases, or it can be for business purposes. Blogs, either used internally to enhance the communication and culture in a corporation or externally for marketing, branding or PR purposes are called corporate blogs.

A select list of weblog software:

User-hosted: Software packages installed by weblog authors to run on their own systems: b2evolution; bBlog; Blogsphere; blosxom; Community Server; Drupal; Greymatter; MvBlog; Movable Type (also offered in developer-hosted form as TypePad); Nucleus CMS; Radio UserLand; Roller Weblogger; Serendipity; Textpattern; WordPress (also offered in developer-hosted form as Wordpress. com)

Developer-hosted: Software services operated by the developer, requiring no software installation for the weblog author: Blogger; Blue Kaffee; Deadjournal; Greatestjournal; Livelournal; MSN Spaces; MySpace.com; Nexopia.com; Open Diary; Radio UserLand; Skyblog; TypePad, Wordpress.com; Xanga; Vox

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भुगमार पुर म क्राज्याता

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A select list of weblog software:

User-hosted: Software packages installed by weblog authors to run on their own systems: b2evolution; bBlog; Blogsphere; blosxom; Community Server; Drupal; Greymatter; MvBlog; Movable Type (also offered in developer-hosted form as TypePad); Nucleus CMS; Radio UserLand; Roller Weblogger; Serendipity; Textpattern; WordPress (also offered in developer-hosted form as Wordpress. com)

Developer-hosted: Software services operated by the developer, requiring no software installation for the weblog author: Blogger; Blue Kaffee; DeadJournal; Greatestlournal; Livelournal; MSN Spaces; MySpace.com; Nexopia.com; Open Diary; Radio UserLand; Skyblog; TypePad; Wordpress.com; Xanga; Vox

क्रिकाइस्प्राहित एक मिल्ला है। विकास स्वास्त्र के स्वास

obile phones have long outgrown their original purpose of enabling people to talk to each other on the move. They are now multimedia devices which could, in the near future, replace a variety of items like game consoles, messaging terminals, music players, digital cameras, security badges, credit cards, digital diaries, health monitors, alarm clocks, navigation guides, interactive newspapers or even TV.

The good news is that you are not at risk if you have a cell phone that enables you merely to talk and SMS. The problems begin if the phone is enabled to handle data and or has Bluetooth capability.

A cell phone virus is quite like a computer virus. Once you receive and install the virus, it starts looking for other Bluetooth phones to infect.

What virus does? The virus sends infected MMS messages to every phone number in your address list. Since sending MMS messages is not free, you're actually paying money to send a virus to your friends, family members and business associates. The virus can tamper or delete all the contact details and calendar entries in the phone; delete or lock up certain phone applications or crash: show up as games, pornographic material or free downloads; a text messages camouflaged with a stolen the subject line from a friends' message, etc. In all these transfer methods, the user installs it knowingly or otherwise. But clever virus writers have the knack of getting you to open and install the bug by disguising it as a desirable application. Mobile viruses can cause trouble as well as financial losses.

Contact the handset company's toll-free number for any support which provides adequate information and assistance to debug your phone yourself.

Dos and Don'ts: * Enable Bluetooth only when you need it. * Learn to say 'No': If your Bluetooth is on accept only a file that you are expecting. Never accept an unknown file. * Avoid downloading unscanned material from sharing networks: like games, ring tones and other programs from legal or official websites. * Never install any application you are not sure of.

Dienal Called Contraction

A Blu-ray Disc (BD) and HD DVD are next-generation optical disc formats meant for high-density storage of high-definition video and data. The Blu-ray Disc Association's Blu-ray technology is spearheaded by Sony. As of 2006, Blu-ray has information capacity per layer of 25GB. HD DVD is the primary rival to Blu-ray, championed by Toshiba, NEC Corporation, Microsoft, and Intel. HD-DVD has a disc capacity of 30GB.

All movies currently released (as of 2006) have been done on single-layer discs. The goal is to reach the standard of 50GB+ dual-layer discs capable of storing four hours of high-definition MPEG-2 video content—similar to the four hours of high-definition video content. Initially it may be more expensive to produce.

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PART

Indian Stealth Technology

India could soon be the third country in the world, after the US and France, to have a stealth bomber fighter aircraft in its armoury. The Kolkata-based Indian Association for Cultivation of Science (IACS) has developed a technology to convert ordinary light combat aircraft into stealth jets that would go undetected on radar.

According to IACS scientists, the technology uses a special material to construct a shield on the plexiglass canopies. It is the glass cover of the cockpit that usually betrays the presence of an aircraft as it reflects the laser beam that is emitted to catch them on the radar. The shield will cover the cockpit and deflect the laser beam on the shield in all directions. This will make sure the aircraft remains undetected on the radar and even to AWACS. IACS' efforts will give a big boost to India's indigenisation efforts.

Last year of the Albo

Sad news for robot lovers! Sony's Aibo Entertainment Robot, the doglike machine which walks, barks and recognises speech, is being put to sleep.

The Aibo was introduced in 1999 and the company is stopping manufacturing in a bid to improve its financial position. Though not popular in India, the Aibo gained a cult-like following all around the world in a short time. The robot dog could bark, push a ball, lift its leg, and "learn," becoming more adept at behaviour over time. With a vocabulary of 1,000 words and an ability to understand more than 100 words, including some in

Spanish, the Aibo was fitted with a vide camera in its head through which image were wirelessly relayed to a laptop. The meant owners could actually see the worfrom a dog's viewpoint. The only prohibition thing about the Aibo has been its price as costs about \$2,000 (Rs 90,000). There a 150,000 Aibo owners worldwide.

No cancer from cellphone

A four-year survey conducted by the scientists at the Institute of Cancer Research in London and 3British universities has four no co-relation between mobile phone usage and glioma cancer. Using a mobile phore does not aggravate the risk of developing this most common type of brain tumour. 2005, Swedish scientists had reported the cellphones could pose a higher health rito people living in rural areas. The Uresearchers contradict the Swedish finding

Global Blodiversity Outlook 2

Over the past few decades, human actify in the name of development has aversely affected global biodiversity in a unprecedented way. There is no satisfacto measures to check or reverse it. The late trend has been brought out by the Glob Biodiversity Outlook 2 report of the Unite Nations Convention on Biological Diversity The fact that extinction rates for species as shooting up by as much as 1,000 times the background rates, and that 12-52% of species belonging to certain higher groups fact the threat of extinction, highlights the roof human activities in the destruction biodiversity. Also, the ability of biologic

Manorama Yearbook 2007

resources to renew themselves to match human demand for resources has been reduced by 20%. If the current extinction rates continue, planet earth will witness the first mass extinction induced by human activity. Against this backdrop, the Convention on Biological Diversity, a global treaty created in 1992 and strengthened by the Conference of Parties in 2002, set 2010 as the target to achieve significant reduction in the current rate of biodiversity loss at all levels. According to the report, the success achieved is far from satisfactory.

Metamaterial

A group of researchers from Britain and US are designing the blueprint of a manmade material, called metamaterial, which they think will be able to bend ray of light so that it does not reflect or cast shadows.

Metamaterial in electromagnetism parlance refers to a special type of material which is generally used in the field of optics and whose properties are not found in natural substances. The first product launched in 2007 will be very thick which people would rather call a shield than a cloak.

John Pendry and his team, Imperial College, London, have created a cloak out of the material. When worn, the cloak will bend light just the way boulder bends a river stream. Another advantage is that the material could be specially tuned to bend electromagnetic radiation like radio waves and visible light or even masking microwaves. The research has numerous military applications.

Climate Change and Algae

It is believed that the nature has the best sensors to detect climate change. Algae is said to be one. All algae use carbon dioxide but, while some lock up this gas in their calcified skeletons, others do not do so.

Other groups of algae produce compounds such as dimethyl sulphonioproprionate that can become climatically active. To understand this one need to be able to differentiate the algal types and count them using equipment that is precise and cheap enough that very many can be used. To that end Southampton University, Southern England, and the School of Electronics & Computer Science are developing a sensor which, when dropped into the sea, can record information about the types and quantities of algae present. This provides vital information for specialists in climate change. Algae flow through the device one at a time and at high speed. When the device shines light at the algae, they respond by emitting light at different wavelengths, allowing them to be characterised. The device records data about such properties of algae which tell us about the size of particles and the types of membranes. Algae are now known to influence the climate in various ways. Much of the existing progress made by oceanographers has been based on studying satellite images in colour. The sea can have many different colours and what one sees depends not only on weather and light conditions but also on what plant life the water contains. Colour measurements have become an important tool for studying plant life in the ocean. Calculating chlorophyll from measurements of water colour, is one of the successes of optical oceanography.

New seabed gas source

According to a joint research team from Tokyo University and the Japan Agency for Marine-Earth Science and Technology, a 100 meter-long column of "flammable ice" exists beneath the seabed of the Sea of Japan off Joetsu, Niigata Prefecture.

Flammable ice is methane hydrate, composed of methane and water. Part of the column is exposed, and judging from its size, the team believes there is a large natural gas field under the seabed. Methane hydrates are available on the seabed in the Gulf of Mexico, off Vancouver, and other places in the world. This is the first discovery of the substance near Japan.

Methane hydrate is created when molecules of flammable methane, the main component of natural gas, are confined in lattice like structures composed of water molecules. As per estimation, there is sufficient flammable ice under the seabed in areas surrounding Japan to supply Japan for 100 years, based on current gas consumption levels. Because of this, methane hydrate is drawing attention as a new natural resource.

X-Ray alternative

How many times have you heard about the negative effects of X-ray radiation on health? Even though the bad effects of radiation has not been conclusively proved. there is an alternative in sight. The terahertz laser! It works like an X-ray by casting through thin layers and identifying what is beneath without putting anyone's health at risk. Currently researchers like Prof. Malcolm Dunn of St. Andrews University, is using fess powerful infrared laser integrated with lithium niobate, a material used for optical devices to generate terahertz pulses. Though the terahertz beam is invisible, it can be bounced off gold plated metal mirrors to help in focusing the tuning. The advantages are that the intensity of terahertz radiation is less than that of 1/1000th of a mobile phone; an active terahertz investigation would get one exposed to lesser amount of terahertz radiation as compared to radiation effects from lighting, In the area of dentistry for imaging teeth, security screening and screening of electronics for non-destructive imaging of integrated circuit.

SASER

and improvisation, are now multi-billiondollar technology. Now it is the turn of light. SASER or sound amplification by stimulated emission of radiation, are coherent beams of sound that are composed of packets of sonic vibration. called 'phonoms,' The Saser, developed by Dr. Glavin, Dr. Kent and their colleagues is constructed from thin lavers of semiconductors, an arrangement called a superlattice. This lattice consists of sheets a few atoms thick serving as electron-trap. The Sasers are just like excited photons in laser. In that excited state, when more electrons are added by electrically charging the lattice, phonons beget more phonons, bouncing back and forth between layers of lattice till they flow-out as phonon beams.

Lasers, after 40 years of its development

Last Human Chromosome sequenced

Scientists have reached a landmark point in one of the most important scientific projects by sequencing the last chromosome in the Human Genome, the so called "book of life." The project was started in 1990 to identify the genes and DNA sequences that provide a blueprint for human beings. The human genome has an estimated 20,000 to 25,000 genes. Chromosome 1 is the biggest and contains, per chromosome, the greatest number of genes. Chromosome 1 contains nearly twice as many genes as the average chromosome and makes up 8% of the human genetic code. It is packed with 3,141 genes and linked to 350 illnesses including cancer, Alzheimer's and Parkinson's disease. The sequencing of the last chromosome, in fact, closes the book on

an important volume of Human Genome

Project at Sanger Institute in England. The

project was headed by Dr. Simon Gregory,

Duke University, USA.

Researchers around the world will be able to extract vital information needed for treating cancer, autism, mental disorder, and other illnesses.

The Next Generation Tyres

Radical new tyre design by Michelin was

displayeded at the 2006 Philadelphia car show. These tyres are airless - without inflated tube. The flexible rims with special ribs support the wheels. In future no one would require repair kits, no more air valves, and no more air compressors at fuel stations.

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cood is the chief of essential materials which the body needs for its well-being. These essential materials are called 'nutrients'. Good food is indispensable for health at all stages of life and for satisfactory growth during infancy, childhood, adolescence and adulthood. Wholesome food in adequate quantities is no less important for pregnant and nursing women since they undergo a severe nutritional stress.

Balanced diet In order to obtain adequate amounts of each of the different nutrients, the daily diet should include appropriate quantities of a variety of different foodstuff. A diet in which various foodstuff are mixed in suitable proportions to carry out adequately.

Eating habits have changed with the times. The changes are faster now. The latest is 'fast food' for a fast life. Human diet is not restricted to any special category of food. Whereas most animals stick to a routine menu, man can and does eat a variety of foods, of both plant and animal origin. Variety is, for him, the spice of life, more so in foods than in anything else. This natural desire for variety is justified by the fact that no single food provides us with all the nutrients that we need.

Cereals, like rice or wheat which form the staple food of mankind, supply us only with a

fraction of our nutritional requirements. We have to supplement cereals with other foods that provide plenty of fats and proteins and minor quantities of a number of vitamins and minerals.

A balanced diet simply means a diet that will supply all the nutrients necessary for the growth and development of the body. In India, a balanced diet has become an imperative since most Indians consume foods that provide more carbohydrates and fats than proteins.

Balanced Diet

Food	Food	Amount
Group	Stuff	per day (g)
1	Rice, wheat and millets	350
	Oil, ghee, butter etc.	35
	Sugar and Jaggery	40
и	Milk, curds etc.	225
	Pulses, dried beans, nuts	45
	Meat, fish, egg	60
1 13	Fruits	30
	Green leafy vegetables	150
	Other vegetables	125

The table above gives the amounts of the various foods that will make up a balanced diet / for the average Indian. The quantity of food varies according to age and the type of work.

Classification of nutrients: (In foodstuffs): (1) Carbohydrates, (2) Fats, (3) Proteins, (4) Minerals, (5) Vitamins and (6) Water.

Proteins, fats and carbohydrates are called Macro Nutrients.

Proteins (Greek: 'Proteios' meaning first) are the chief substances of the cells of the body. They form important constituents of muscles and other tissues and vital fluids like blood. Enzymes, which assist in the digestion of food, and antibodies which are the body defences against infections are also mainly protein in nature.

The nutritive value of protein depends on the essential amino acid composition. Amino acids are the building blocks of tissue protein. There are some 20 amino acids commonly found in dietary proteins. Of these, 10 amino acids can be synthesised by the body itself, whether by mutual conversion among amino acids or from nonprotein sources. But 10 amino acids cannot be so synthesised and have to be supplied through diet. These are called essential amino acids. Adults require 8 essential amino acids while children require 9 or 10.

Fat is a necessary ingredient in diet. It is a concentrated source of energy and supplies per unit weight more than double the energy furnished by either protein or carbohydrates. Some fats, especially vegetable oils, provide what are called essential fatty acids, linoleic and arachidonic acids, to the body.

Fats that circulate in the blood are of many types-triglycerides, phospholipids, etc. The quantity and quality of fat consumed affects the level of cholesterol in the blood. Some fats like groundnut oil, sesame oil or sunflower oil which contain a high proportion of polyunsaturated fatty acids do not increase blood cholesterol levels greatly. Others like butter, ghee and hydrogenated vegetable oils (vanaspati) contain high proportions of saturated fatty acids and greatly increase cholesterol levels. It is also found that consumption of smaller amounts of fat at differ-



ent times causes less increase of cholestero than a large amount of fat taken at a time.

Carbohydrates include every kind of starch and sugar. Grain foods are largely composed of starch and foodstuffs like cane sugar and glucose are pure carbohydrates. They form the main source of energy for the bo-dy. Being a cheap source of ener-gy, carbohydrates form the bulk of Indi-an diet.

Vitamins and minerals comprise micro nutrients as distinguished from proteins, fats and carbohydrates—called macro nutrients.

Vitamins can be broadly divided into fatsoluble and water-soluble vitamins. Vitamin A, D, E and K are fat-soluble vitamins. Vitamin C and B (including Vitamins B_1 , B_2 and other B-Group vitamins) are water-soluble.

The vitamins are necessary auxiliaries in metabolism. They combine with specific proteins, as parts of the various oxidative enzyme systems which are concemed with the breakdown of carbohydrates, proteins and fat in the body. Thus, they are intimately Involved in the mechanism which releases energy, carbon dioxide and water as the end products of metabolism. Vitamin types, name and years of discovery are as follows:

Fat soluble

Vitamin A (Retinol) (1913) • Action: Right vision, epithelial function, antioxidant • Defi-

ncy: Night blindness, poor growth, rough skin and less resistance to infection, (xeohthalmia, perifollicular, hyperkeratosis) • erdosage: Raised intracranial pressure, liver mage, skin changes • Daily dosage: 1 mg; urces: Animal foods -liver, fish, egg yolk, lk, ghee, cheese, butter and as carotene in rk green leafy vegetables carrot, pumpkin, paya, mangoes, Red palm oil.

Vitamin D (1925) • Action: VitaminD, Icium, VitaminD, Metabolism • Deficiency kets in children, osteomalacia and osteoposis in ad-ults • Ov-erdosage: Hypercalcaea • Daily dosage: 3mcg; Sources: Exposure sun light, milk, butter, cheese, egg yolk, h liver oils.

Vitamin E (Tocopherols) (1936) • Action: d cell function, antioxidant • Deficiency: ild haemolytic neuropathy in children, ought to interfere with reproduction, liver mage, abortion, haemorrhage • Daily dosje: 10mg; Sources: All vegetable oils, wheaterm, egg yolk, butter, peas.

Vitamin K (1935) • Action: Synthesis of otting factors (II, VII, IX,X) • Deficiency: leeding, liver damage, increased tendency haemorrhage • Daily dosage: 100mcg; ources: Green leafy vegetables, liver, pulses, so synthesised by colonic bacteria.

Vater Soluble

Vitamin B, (Thiamine) (1936) • Action: ?arbohydrate metabolism • Deficiency: Berieri, peripheral neuropathy, Wernicke-Corsakoff syndrome • Daily dosage: 1mg; ources: Cereals, sprouts, green leafy vegtables, liver, pork, legumes.

Vitamin B₂ (Riboflavin) (1935) • Action: Cellular oxidation • Deficiency: Angular stomatitis, cheilosis • Daily dosage: 1.5mg; Sources: Liver, meat, eggs, kidney, milk and other dairy products, green leafy vegetables, sprouted cereals and pulses.

Nicotinic Acid / Nicotinamide • Action: Cellular oxidation decarboxylation • Deficiency: Pellagra • Overdosage: Flushing • Daily dosage: 15-20mg; Sources: Liver, pulses, whole cereals, fish, meat, milk, eggs, groundnut, coffee.

Vitamin B, Pyridoxine (1934) • Action: Transamination • Deficiency: Peripheral neuropathy • Daily dosage: 3mg; Sources: Yeast, liver, meat, whole grain, cereals, groundnuts, banana, legumes.

Folic-acid (Folate) • Action: Haemopoiesis Deficiency: Megaloblasticanaemia
 Daily dosage: 200mcg; Sources: Yeast, liver, nuts, green vegetables, chocolate.

Vitamin B., (Corbalamin) (1948) • Action: Haemopoiesis • Deficiency: Megaloblastic anaemia subacute combined degeneration of the spinal cord • Daily dosage: 3mcg; Sources: Meat, liver, egg, diary products, yeast.

Vitamin C (Ascorbic) (1919) • Action: Collagen synthesis antioxidant • Deficiency: Scurvy, sore mouth and gums, delayed healing, capillary bleeding • Overdosage: Raised urinary oxalate and urate • Daily dosage: 30-60mg; Sources: Citrus fruits, green leafy vegetables, germinated pulses.

Vitamin P is found in all sources of Vitamin C like orange, lemons, etc.

Other vitamins in the B complex include: Nicotinic acid, Pantothenic acid, Folic acid, Biotin, Lipoic acid, Choline and Inositol

A large number of minerals are present in the body and perform a variety of functions. Minerals account for about 4 % of the body weight. Calcium and phosphorus form about three-fourths of the mineral elements. Five other minerals-potassium, sulphur, sodium, chlorine and magnesium-account for most of the rest. Many elements are present in such minute quantities that they are called trace elements or micro-nutrients.

Water is a vital constituent of diet. An average man contains about 45 litres of water (70 % of the body weight). The cells contains 30 litres. Three litres are in the plasma of the blood, where the suspended cells make a

total volume of blood up to 5 litres. The remaining 12 litres (45–33) fill the space between groups of cells. This tissue fluid bathes all the cells of the body. Water is absolutely necessary for digestion and absorption of the foods taken in. It is the great solvent and neutraliser in the body. It is the substance in which bodily chemical reactions take place. Water is the carrier or transporting medium for all nutrients and body substances. It regulates body temperature, keeps skin fresh, and acts as great purifying agent in the body that removes waste materials in the

body tissues and fluids.

Acidosis, alkalosis and dehydration, pedema, fever, shock, uraemia and constipation are some of the clinical signs of inad-

form of tear, perspiration, urine and faeces.

Watery substances act as lubricants in the

body, especially in the joints. It is a part of all

equate salt and water in the body.

The body obtains water mainly from the fluids we drink, from the solids we eat and also from the oxidation of energy foods. Fats and carbohydrates are oxidised in the body to carbon dioxide and water.

Cereals like rice, wheat and millets, ragi, cholam and bajra form the main food in India. Cereals are rich in carbohydrates. They generally contain 6 to 12% protein, but these proteins are usually deficient in the essential amino acid lysine. Rice protein, however, is richer in lysine than other cereals. Most cereal grains are poor in mineral content and rice is especially poor. Ragi is, however, rich in minerals, especially in calcium, and bajra in iron. Whole cereal grains are important sources of B-vitamins but in milling, nce loses the outer layers containing thiamine. Parboiled rice, even when milled, does not lose its thiamine content. Except yellow maize, which contains some amounts of carotene, no other cereal grain is a source of vitamin A or C.

Pulses or legumes as they are called, are rich in proteins. Pulse proteins are of relatively low

biological value because of the deficiency of the essential amino acid methionine but the are rich in lysine. Pulses are not rich sources of minerals but they are rich in B-vitamins. Drie pulses do not contain vitamin C but if they are germinated significant amounts of vitamin of are generated. Most of the green leafy veg

etables are rich sources of calcium, iron, carc

bodies cannot digest is known as fibre. Ther

are 2 basic types: insoluble (roughage) and

tene, vitamin C, riboflavin and folic acid.

Fibre: The portion of plant foods that ou

soluble. Insoluble fibres help move food ma tenals through the digestive tract while soluble tend to slow them down. Both type absort water, thus prevent and treat constipation by softening and increasing bulk of the undi gested food components passing through the digestive tract. Soluble fibres are reported to be helpful in reducing blood cholesterol Fibre is recommended for all age groups men 40-50 gms/day, women 25, and old 20-30. Source: beans, bran, fruits, whole grain and vegetables.

Roots and tubers: are rich in carbohydrates. But roots like carrot are also rich in carotene (Vitamin A); Those like potato contain significant amounts of vitamin C, while roots like tapioca contain calcium also. Other vegetables are those which do not fall into the category of leafy vegetables or root vegetables. These vegetables are shoots, like lady's finger, cucumber, tomato, bitter gourd, snake gourd, brinjal, etc. They are fairly good sources of vitamins and minerals.

Nuts and oil seeds are good sources of fat (oil), protein and minerals and fair sources of vitamins: e.g. groundnut and cashewnut.

Fruits in general are rich in vitamin C, such as gooseberry, guava and citrus fruits. Yellow fruits like mango and papaya contain carotene and dried fruits like dates are sources of iron.

Fish and sea foods are nich sources of protein, B-vitamins and minerals, esp. calcium. Fleshy foods are nich sources of protein

and B-vitamins, especially B, They are generally deficient in vitamin A, but liver is an exception.

Egg is a rich source of all nutrients except vitamin C. Its protein is of high quality.

Milk and Milk products. Milk is an ideal food for infants and young children and a good supplementary food for all. It contains all vital nutrients, except vitamin C and iron.

Food is the only source of energy for humans. Our dietary sheet must change accordingly to our requirements of energy and meals planned. Food energy is measured in terms of heat units called calories. A physiological calorie, also called large calorie or kilocalorie (abbreviated as Kcal), is the amount of heat necessary to raise the temperature of one kilogram of water by one degree centigrade. One gram of protein or carbohydrate yields 4 calories. One gram of fat yields 9 calories while the same quantity of alcohol yields 7calories.

Foodstuff by category

Food Group-1: (a) CEREALS (b) STARCHY VEGETABLES (c) FATS AND OILS (d) SUGAR: jaggery, cane-sugar etc.

Food Group-2: (a) MILK (b) PULSES Food Group-3: (a) FRUITS (b) Green LEAFY VEGETABLES . (c) Other VEGETABLES

Eat less, ive longer

Dieting may not actually make you live longer, but it surely makes you feel that way. evidence Nevertheless, been ---umulating since the 1930s that calorie triction-reducing an animal's energy ake below its energy expenditure—extends span and delays the onset of age-related eases in rats, dogs, fish and monkeys. Such ults have inspired thousands of people to t up with constant hunger in the hope of ing longer, healthier lives. They have also I to a search for drugs that mimic the effects calone restriction without the pain of going i an actual diet.

It is easy, amidst the hype, to forget that one has until now shown that calorie striction works in humans. That omission, owever, changed with the publication of the iitial results of the first systematic ivestigation into the matter. This study, nown as CALERIE (Comprehensive ssessment of Long-term Effects of Reducing ntake of Energy), sponsored by America's Vational Institutes of Health, took 48 men and vomen aged between 25 and 50 and issigned them randomly to either a control

group or a calorie-restriction regime. Those in the second group were required to cut their calorie intake for six months to 75% of that needed to maintain their weight. The CALERIE study is a landmark in the history of the field, because its subjects were either of normal weight or only slightly overweight. At a molecular level, CALERIE suggests these advantages are real. They showed drops in body temperature and blood-insulin levelsboth phenomena that have been seen in long-lived, calorie-restricted animals. They also suffered less oxidative damage to their DNA.

The search for a drug that will stave off old age is itself very old. Scientists are trying to find a drug that will mimick the effect of calorie restriction. There is a family of enzymes called sirtuins, which act both as sensors of nutrient availability and as regulators of metabolic rate, These might provide the necessary. biochemical link between starving and living longer. Some plant-derived molecules are known to activate sinuins in yeast. One of these molecules, resperatrol, has increased the maximum lifespan of a small fish by 61%. However, corne of these molecules are already in dinical trials for sales /.

esearch has now proved that oxidation in the body cells (the process by which we are continuously burning our calories to get energy) releases dangerous, very active molecules known as free radicals. These free radicals attack neighbouring cells (the cell walls, and genetic material-DNA, within the cells) and over a long time period, can cause irreversible damage like mutation and sometimes cause disease like cancer. Generally it manifests old age symptoms like lack of energy, poor memory, loss of hearing and falling hair, which are definitely associated with damaged or weak cells. Free radicals, in alcoholics, cause alcoholinduced liver damage, perhaps more than alcoholitself. Free radicals in cigarette smoke have been implicated in inactivation of alpha-1 antitrypsin in the lung, which promotes the development of emphysema and it is now proved that these free radicals are the main culprit. While nature has created this problem, it has

The presence of compounds, called Antioxidants, in the system can "mop up" free radicals before they damage other essential molecules. An antioxidant is a chemical that prevents the oxidation of other chemicals. Consuming more antioxidants helps provide the body with tools to neutralise harmful free radicals. It's estimated that there are more than 4,000 compounds in foods that act as antioxidants. The most studied include vitamins C and £, betacarotene and the mineral selenium. Besides antioxidants, there are several enzyme systems within the body that scavenge free radicals. Additionally, selenium, a trace metal that is required for proper function of one of the body's antioxidant enzyme systems, is sometimes included in this

provided the solution as well.

category. The body cannot manufacture these micronutrients so they must be supplied in the diet. The following vitamins have shown positive antioxidants effects: Vitamin Aor Retinol, or beta-carotene found in carrots, squash, sweet potatoes, tomatoes, peaches and apricots are particularly rich sources of beta-carotene; Vita min C also called ascorbic acid found in citrus fruits, green peppers, green leafy vegetables strawberries, raw cabbage, tomatoes and potatoes; Vitamin E is found in wheat germ, nuts seeds, whole grains, green leafy vegetables vegetable oil and fish-liver oil; and selenium found in fish, shellfish, red meat, grains, eggs chicken and garlic, Vegetables can also be a good source if grown in selenium-rich soils.

Natural Sources of Antioxidants

The colourful stuff: carrots, apples, or anges, tomatoes (cooked), beet root, brinjal dark green vegetables, olives, strawberries honey (the darker the better) and so on.

The tasty stuff: garlic, ginger, onion, nutmeg

The smelly stuff: Tea, green tea, spinach tulsi and other herbs etc. Usually, the body's natural defence systems neutralise free radical that develop, rendering them harmless. How ever, environmental assaults on the body, like UV-radiation, pollutants and alcohol; can over power the body's ability to neutralise free radi cals, damage the structure and function of the body's cells. There is good evidence that thi damage contributes to aging and leads to a host of illnesses, including cancer, arthritis, and heart disease. A regular exercise and eating more fruits or vegetables will vitalise inheren antioxidant systems and that your diet is provid ing the necessary components.

नीपापचा उठवेर

The human body is a very complicated system consisting of millions of cells-organised uniquely and functioning dynamically together. The complexities can be better understood when it is highlighted. Anatomists find it useful to divide the human body into eight systems: the skeleton, the muscles, the circulatory and respiratory systems, the digestive system, the unnary system, the glandular system, the nervous system, and the skin.

Body Statistics

The body: has about 6.096 metres of small intestine and six of large, with a surface area of more than 9.29 sqm, or five times the area of the body's skin. The intestines process, at about 2.54 cm per minute, 40.64 metric tonnes of food over the course of 70 years.

Skin: 2.72 kg of skin cover the 1.85 sq.m of surface on an average adult.

DNA: Deoxyribonucleicacid, a nucleicacid, is the vital constituent of chromosomes, responsible for transmitting genetic information, in the form of genes, from parents to offsprings. Each human cell contains about 2 metres of DNA supercoiled on itself such that it fits within the cell nucleus less than 10 micrometers. DNA comprise 4 bases adenine-A, guanine-G, thymine-T, and cytosine-C, a sugar and phosphoric acid, organised in a double helix format. Within this format, A pairs only with T, and G only with C.

Bones in the body: Babies are bom with over 300 bones. Many of them fuse together as we grow up - and we end up with about 206. The longest bone: The 'femur' or the thigh bone (1/4 of your height). The smallest

bone: The stapes or the stirrup-bone in the middle ear - few milimetres. The strongest bone: The shin bone, which connects the knee to the ankle. It can support 1,600 kg. More than half of an adult's 206 bones are in the hands and feet. There are 27 bones in each hand and 26 in each foot-for a total of 106.

Composition of Bones: Organic Matter 33.30%; Phosphate of Lime 51.04%; Carbonate of Lime 1130%; Flouride of Calcium 2.00%; Phosphate of Magnesia 1.16%; Soda/ Chloride of Sodium 1.00%.

Human Brain: Consists of two parts: the brain located in the skull and the spinal cord located in the vertebral column.

Central Nervous System: The brain along with spinal cord constitutes the Nervous system. The brain consists of

(i) Cerebrum: The largest part of the brain consisting of two hemispheres which control voluntary actions and are the seat of intelligence, memory association, imagination and will. (ii) Cerebellum: The large mass having ridges and furrows attached to, cerebrum, which regulates muscular movement of locomotion. (iii) Medula Oblongata: The lowermost part of the brain which continues as the spinal cord in the vertebral columns. It controls involuntary actions.

The weight of the average human brain triples between birth and adulthood. The final weight of the brain in an adult male is about 1.4 kg (and 1.3 kg in the case of a woman) which averages about 3% of the body weight.

The brain uses about 20% of the oxygen a man breathes, 20% of calories a man takes in, and about 15% of body blood.

500,000 sets of the Encyclopedia Britannica. Given its compact size, efficient power consumption (equivalent to a 20-watt lightbulb)

and massive storage capacity (100 trillion bits

of information) it can work better than any

The brain stores information equal to

computer. At a time our brain can retain 7 facts in the short-term memory. Neurons are the longest cells in our body- measures 1.2m long. Fully formed human brain contains 100

billion neurons, or nerve cells. When neuron fires off a message, it is received in one of the thousands of receptor sites in another neuron, which stops it or sends it on. Brain makes up only 2% of the body weight but uses 20%

as rapidly as 360 km per hour. The fastest nerve impulse travels at 532 Kmph. The heart 27949.3 litres of blood are pumped through 99,776.6 km of blood vessels in a day.

Nerves 72.418km of nerves send impulses

of the oxygen and blood supply.

The hollow muscle pumps enough blood in an average lifetime to fill the fuel tanks of 56 moon rockets. Unlike other muscles, its contractions are involuntary, beginning 4 weeks after conception, before nerve cells are formed, and continue to pulse even out of body in saline solution. Muscle cells called myocytes generate a total electrical current of about 2 watts that commands the fibres to contract.

Shortly after birth, those cells stop dividing. The Blood There are about 96,000 km of blood vessels in our body. The Blood comprise Plasma, RBC (red blood cells/erythrocytes), WBC (white Blood Cells/leukocytes) and Platelets (Thrombocytes).

Plasma Is made up of 90% water, 7% proteins, and others like nutrients, salts, nitrogen waste, carbon-dioxide and hormones. 8,000,000 RBCs are produced in the bone

marrow every second constituting 54% of hemoglobin and their count ranges between 4-6 million per cu mm. WBC count normally ranges between 4,500 to 11,000 per cu mm

The liver Among some 1000 widely divergent functions, the liver regulates hormonal balance, cholesterol, blood clotting and polsons. The liver is the only organ that can

regenerate; if as much as two thirds is removed, a whole liver can grow back. The allmentary system is a 9.14 metre-long

of the human body.

tube from mouth to anus that breaks down food into particles tiny enough to pass from intestines into the bloodstream. The nutrients are then routed to the largest gland in the body, the 1.36 kg liver, to be refined into chemical and warehoused until demand soars.

Large intestine = 1.524m Small Intestine = 7.5m Stomach: produces 2 litres of hydrochloric acid daily. 500,000 cells of stomach's inner walls are replaced every minute so that the acid does not damage the walls. Muscles: There are 639 muscles which also

Platelets also normally count between

The lungs Man breaths 13- 17 times a

minute at rest and 80 during exercise. On an

average we breath 21600 times a day. We

take in 295.261m litres in an average life

span. The shock of birth causes the first breath.

Muscle contract, opening the chest and low-

ering interior air pressure. The baby's mouth

opens in protest, air rushes in, and the new-

born begins to inhale about 60 times a minute,

beginning the cycle of strife and breath. The

adult human lungs have an internal area of

93 m², which is 40 times the external surface

15,000 and 300,000 per cu mm

The total number of muscles in the body: over 630. It takes 17 muscles to smile and 42 to stare. Largest muscle: The gluetus maximus or the buttock muscle. The smallest muscle: The stapadius muscle which controls the stapes.

account for 40% of the total body weight.

The reproductive organs: A man's testes manufacture more sperm per second (about 2000) than a woman's ovaries produce eggs in a lile time (about 400).

pipe (trachea) and two tubes called bronchi, to the lungs. Oxygen from the air is taken in by tiny blood vessels in the lungs. The blood then carries oxygen to the cells of the body.

Skeletal System: The skeletal system is made up of bones that hold your body upright. Some bones protect organs, like the ribs that cover the lungs.

Muscular System: Muscles are made up of elastic fibres. There are 3 types of muscle: skeletal, smooth and cardiac. The skeletal muscles help the body move. They are large muscles visible to our eyes. Smooth muscles are found in our digestive system, blood vessels, and air passages. Cardiac muscle is found only in our heart. Smooth and Cardiac muscles are involuntary muscles - they do their job without us having to think about them.

Reproductive System: Through the reproductive system, adult human beings procreate. Reproduction begins when sperm cell from man fertilises an egg cell from a woman.

Unnary System: This system includes kid-

neys, which cleans waste from the blood and regulates the water in the body.

Immune System: The Immune System protects our body from diseases by fighting against certain substances that come from outside, or antigens. This happens in different ways. For example, WBC called B lymphocytes learn to fight certain viruses and bacteria by producing antibodies, which spread around the body to attack them. Sometimes

, as in allergies, the immune system makes a mistake and creates antibodies to fight a substance that's really harmless.

Glands of the Human Body

Glands are organs of the human body that manufacture some liquid products which are secreted from the cells. There are two types of glands:(i) Ducted Glands Ducted glands secrete their product through well-defined ducts, e.g., Liver-secretes bile in the stomach; Lachrymal-secretes tears in the eyes; Salivary-secretes saliva in the mouth; Sweat glands in the skin-secretes sweat. (ii) Ductless Glands Also called endocrine glands or internally secreting glands. They secrete hormones directly into the blood-stream in response to brain's instructions. Ductless glands and their functions: Thymus: In early childhood it plays some part in building resistance to diseases and physical development; Thyroid: Regulates metabolism

Prostrate: Regulates blood pressure and sexual potency; Gonads: Relates to reproductive system and secretes sex hormones; Adrenal: Causes acceleration of the breath, heightens emotion and a sudden increase in physical strength during fear or anger; Pancreas: Aids in digestion of proteins, carbohydrates and fats; it secretes insulin and deficiency of insulin causes diabetes; Pituitary: Called the master gland as it controls the other ductless glands and influences growth and metabolism.

रिकाल के किया है।

We are health conscious but poor in keeping with time. Grab a pack of packaged ready-to-eat fruit and your body will be none the wiser.

That's the message from new international research showing that chilled, ready-to-eat, fresh-cut fruit retains

high levels of vitamin C and other antioxidants.

According to a science report in the Journal of Agricultural and Food Chemistry, cutting and packaging fruit has almost no effect on the main antioxidants. In fact, levels of some antioxidants increased in selected chilled fruits.

भीतामुद्राम् त्रायहरूब

disease is a condition that impairs the proper function of the body or of one of its parts. Every living thing, both plants and animals, can succumb to disease. Hundreds of different diseases exist. Each has its own particular set of symptoms and signs, clues that enable a physician to diagnose the problem. A symptom is something a patient can detect, such as fever, bleeding, or pain. A sign is something a doctor can detect, such as a swollen blood vessel or an enlarged internal body organ. Every disease has a cause, although the causes of some remain to be discovered. Every disease also displays a cycle of onset, or beginning, course, or time span of affliction, and end, when it disappears or it partially disables or kills its victim. An epidemic disease is one that strikes many persons in a community. When it strikes the same region year after year it is an endemic disease. An acute disease has a quick onset and runs a short course. A chronic disease has a slow onset and runs a sometimes years-long course. The gradual onset and long course of rheumatic fever makes it a chronic ailment.

Kinds of Disease

Infectious (communicable) diseases are those that can be passed between persons. such as by means of airborne droplets from a cough or sneeze. Tiny organisms such as viruses, bacteria, fungi and worms can produce infectious diseases. Whatever the causative agent, it survives in the person it infects and is passed on to another. Sometimes, a disease-producing organism gets into a person who shows no symptoms of the disease. The asymptomatic carrier can then pass the

disease on to someone else without even knowing he has it.

Non-infectious (non-communicable) diseases are caused by malfunctions of the body. These include organ or tissue degeneration, erratic cell growth, and faulty blood formation and flow. Also included are disturbances of the stomach and intestine, the endocrine system, and the urinary and reproductive systems. Some diseases can be caused by diet deficiencies, lapses in the body's defense system, or a poorly operating nervous system.

Deficiency diseases: due to deficiency in the diet of nutrients. They can generally be cured by providing the missing nutrients.

- (a) Protein deficiency causes two major diseases Kwashiorkar and Marasmus.
- (b) Mineral deficiency causes specific diseases. (i) Anaemia: Iron deficiency causes haemoglobin deficiency in blood. (ii) Goitre: Iodine deficiency causing no synthesis of thyroxine hormone of thyroid gland). (iii) Hypokalemia: potassium deficiency. (iv) Hyponatremia: sodium deficiency causes this state of low blood pressure and loss of body weight.
- (c) Vitamin deficiency causes a variety of diseases. (i) Night Blindness: (Vitamin A). (ii) Xerophthalmia: (dryness of eye due to lack of Vitamin A. (iii) Dermatosis: (Vitamin A). (iv) Beri-beri:(Vitamin B-thiamine). (v) Ariboflavinosis: (Vitamin B₂- riboflavin). (vi) Pellagra: (nicotinic acid/ niacin-part of B complex group). (vii) Pernicious Anaemia: (Vitamin B,,-Cabalamin). (viii) Scurvy: (Vitamin C ascorbic acid). (ix) Rickets:(a disease causing disorder of calcium and phosphorus metabolism due to Vitamin D deficiency, often found

tozoa. (a) Diseases caused by Bacteria: Chol-Leprosy Mycobacterium leprae era, Diphthena, Tuberculosis, Leprosy, Teta-Plague Mucobacterium nus, Typhoid, Plague, Whooping Cough, tuberculosis Sore Throat, Pneumonia, Bacillar dysentery, Whooping cough Berdetella pertussis Gonorrhea, Syphilis and Botulism. (b) Dis-Meningitis Meningococcus eases caused by Viruses: Chickenpox, Measles, Diptheria Cornebacterium diptheria Poliomyletis, Rabies, Mumps, Influenza, Hepa-Viral Diseases titis, Herpes, Viral Encephalitis and AIDS. (c) Disease and causative agent: Acquired Diseases caused by Fungi: Ringworm, Athlete's Immuno Deficiency Syndrome (AIDS): Hufoot, Dhobie itch. (d) Diseases caused by man immunodeficiency virus (HIV) protozoans: Amoebiasis, Malaria, Sleeping Chicken pox: Varicella herpes virus; Influsickness, Kalaazar, Diarrhoea, (e) Diseases enza: Orthomyxovirus; Measles (Rubeola): caused by Helminthes or Worms: Filana, Tape-Paramyxovirus; Mumps: Paramyxovirus; Gerworm and Hookworm transmission. man Measles: Toqavirus; Pollomyelitis: En-Degenerative diseases occur due to malterovirus; Rabies: Rabdovirus. functioning of some organ or organ system in the body. They are: Heart Attack, Diabetes Disease of Eye mellitus, Arthritis. Name of disease and symptoms: Astigmatism: Visual activity is decreased, eye strain Sexually Transmitted Diseases (STD) causes headache, cylindrical lens should be Disease Causative organism used. Gonorrhoea Neisseria gonoffhorae Cataract: Normal vision is hampered, blind-Syphilis Treponema pallidum ness may be caused. Lens is removed and Chancroid Haemophilus ducrevi artificial lens is used. Granuloma Glaucoma: Aqueous humour pressure ininguinale Donovania granulomatis creases. It may cause blindness. **Trichomoniasis** Trichomonas vaginalis Hypermetropia (far sightedness): Distant Candidiasis Candida albicans objects can be seen clearly, near objects can't Chlamydiasis Chlamydia trachomatis be seen clearly. Image formed behind retina. H.V. Vaginitis Haemophilus vaginalis Biconvex lens should be used. Genital herpes hominis type II Strabismus (Squint): Eye ball turns to any (HSV II) of the sides. Condyloma Trachoma: Redness in the eye, sensation acuminatum Papova group virus for foreign body in eye. Scabies Sarcoptes scabieri Pediculisis pubis Pthius pubis Cancer Cancer is a general term used to describe **Bacterial Diseases** over 200 individual diseases. These diseases Disease Causative agent progress differently over a period of time but Thyphoid Salmonella typhosa share certain characteristics that include de-Tetanus Clostridium tetani velopment within any tissue of a malignant

Cholera

Syphillis

Pneumonia

Gonomboea

Vibrio cholerae

Troponema pallidum

Nesseria gonorrhoeae

Diplococcus pneumoniae

in the early childhood: 6 months and 2 years.

agents such as virus, bacteria, fungi and pro-

Infectious diseases are caused by various

(x) Ostemalacia: (Vitamin D).

growth derived from abnormalities of the nost. The abnormal cells grow without any control, invade through normal tissue barriers, spread to local and distant sites within the nost, and reproduce indefinitely.

Sometimes, cancer cells do not remain confined to one part of the body and penetrate and infiltrate into the adjoining tissues and dislocate their functions. Some of the cancer cells get detached from the main site of origin and travel by blood and lymph to sites distant from the original tumour and form fresh colonies, called metastasis or secondary growth. Cell which undergo rapid, abnormal and uncontrolled growth are called neoplastic cells. The growth resulting from the division of such cells are called as neoplastic growth or tumours.

Tumours are commonly classified as: (i) Benign tumours: Abnormal and persistent cell division that remains localised at the spot of origin results in the benign tumours. In some cases it can be fatal. (ii) Malignant Tumour: It first grows slowly and this state is called the latent state. The tumour later grows quickly. The cancer cells go beyond adjacent tissue and enter the blood and lymph. Once this happens, they migrate to many other sites in the body where the cancer cells continue to divide. It is metastasis.

The masses of such abnormal cells formed and spread in this way lead to the death of the host if not eradicated. The incidence of cancer is rising steadily.

Diagnosis: The diagnosis of cancer is required to be confirmed either by a histopathalogical examination of a biopsy of fine needle aspiration cytology, firstly, to determine the extent of tumour and secondly to determine whether the tumour has metastasized to other sites. Using blood tests, x-ray studies, radionuclide scans, C.T. Scans and M.R.I. Scans, the cancer is staged according to staging systems-the T.N.M. system being widely used.

Treatment: Cancer treatment consists of

Father o Chemotherapy

Paul Ehrlich was born on March 14, 1854, in a respected Jewish distiller's household, in Germany. Ehrlich studied medicine at the Universities of Breslau, Strasbourg, and he graduated from Leipzig, in 1878. While still a student, he began investigations on the aniline dyes used in the distillery. With its aid, he discovered all the different types of white blood corpuscles.

Ehrlich always had the idea of creating substances that would exert their full action exclusively on the parasite harboured within the organism like 'magic bullets' which seek their target of their own accord. In April 1910, Ehrlich announced before the Congress for Internal Medicine at Wiesbaden, that a synthetic arsenical compound, which he named 'salvarsan' had shown curative properties in rabbit syphilis and also in clinical trials. It was first used in the treatment of human syphilis in 1911. Thus the science of chemotherapy was born.

In 1914, as a professor in the University of Frankfurt, Ehrlich explored the acidity of living tissues for certain dyes. In a remarkable monograph (1885), he reported his investigations into the distribution of oxygen in animal tissues and organs. Using two vital staining dyes, alizarin blue and indophenols blue, he demonstrated that while living protoplasm in general has potent reducing properties, bodily organs are classifiable according to their oxygen acidity. He enunciated the fundamental concept underlying his work: chemical affinities govern all biological processes.

therapy using chemotherapy and hormones. These modalities may be used either singly or in combination. Developments and advances in imaging, coupled with better understanding and knowledge of the natural history of various cancers have led to the era of multimodality therapy which has changed the cancer treatment scenario.

surgery, radiation therapy and systemic

Epidemiology: Estimates show that the number of new cancer cases in India is about 1,000,000 per year. The most common form of cancers seen in the males include cancers of the lung, stomach, oesophagus, mouth, larynx, hypopharynx, tongue, prostate, uni-

nary bladder and body uterus.

In females, traditionally cancer of the cervix was the leading cancer, but of late, especially in the urban areas, cancer of the breast seems to be becoming a major problem. Cancers of the mouth are commonly seen in both the males and the females. Cancers of the larynx, hypopharynx, oesophagus and stomach are seen more In men than In females, while cancer of the gall bladder is seen more often In women.

Breast Cancer Is becoming a common disease all over the world. It occurs to women and men. But women are more vulnerable to it. The risk of Breast Cancer increases with aging in women. The risk Is also higher for women with a personal or family history; a long menstrual history; recent use of oral contraceptive or postmenopausal hormone replacement therapy; and no children or no live birth until age 30 or older. Other risk factors include alcohol consumption and obesity. Inherited mutations such as in the BRCA1 and BRCA2 genes greatly increase a woman's risk for Breast Cancer, but genetic factors account only for the 10% of the affected.

Physical symptoms include a breast lump and less commonly breast thickening, swelling, distortion or tendemess; skin irritation or ated with benign conditions. The treatment include lumpectomy, mastectomy, radiation therapy, chemotherapy, hormone therapy, immunotherapy, or some combination of these. Various drugs are also available now a days. Early detection gives lot more chance of survival.

AIDS

The Acquired Immuno Deficiency Syn-

drome (AIDS) is caused by Human Immuno

dimpling; or pain, scaliness, or retraction of

nipple. Breast pain is more commonly associ-

Deficiency Virus (HIV) which attacks human Immune system, esp. lymphocytes. HIV is transmitted through blood and blood products, seminal and vaginal fluids, unprotected sex, infected blood transfusion, contaminated needles, artificial insemination, child birth to infected parents, etc. It however, does not spread by klssing, coughing, mosquito bites, food, water, working together, etc. Symptoms could be rapid weight loss, chronic diarrhoea, prolonged fever, persistent cough, herpes zoster infection, etc.

Tests like Enzyme Linked Immuno Sorbent

Assay or ELISA kit, Particle Agglutination Test (PAT), Immuno Fluorescent Assay (IFA), Radio Immuno Precipitation Assay (RIPA), HIVA test, etc. are used to detect cases. In India, there are about 5.3 minfected people. Maharashtra, Manipur, and Tamil Nadu have comparatively more number of cases.

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SCID

is a congenital immunodeficiency disorder in which lymphocytes are not formed and the patient dies of even minor infection. Such children can survive only in germ free isolation chambers

(Severe Combined Immune Deficiency): It

Osteoporosis

Osteoporosis, literally meaning 'porous bones, constitute the hardest part of the human body. According to experts, os-

teoporosis is just not calcium deficiency. It is a combination of the loss of the organic ter in the bone, which gives it elasticity. the inorganic matter, made up of subnces such as calcium and phosphorous. ich gives it strength. In the early stages eoporosis is painless and hence it is often led the "silent disease". Since the genetic ke-up is the main factor behind the disse, some people are more likely to develop teoporosis than others. Over 300 million ople suffer from osteoporosis in India withat realising that every osteporosis-related one fracture doubles the risk of death.

What causes osteporosis? Calcium plays an nportant role in transmitting signals to nerves ind muscles and is therefore important in equiating the heart rate, muscle contractions, blood pressure and other bodily functions. To keep these functions regulated, the calcium in the blood must be maintained at a certain level. When it drops to a very low level, the body replenishes it with calcium from the bone-aliving and growing tissue composed ol a network of collagen fibres inlaid with calcium and phosphate. 'Resorption', the process of releasing calcium from bones into the blood, results in the breakdown of bones. By another process called 'formation', the bones get rebuilt. Together, the processes constitutebone remodelling. The continuous remodelling cycle serves to supply the body with the calcium it needs and maintains the skeletal structure and strengthens it by replacing old bones with new ones. When formation exceeds resorption, the bone mass increases. When resorption increases, it results in loss of bone mass. Continued excessive bone loss leads to osteoporosis. Bone fracture is the biggest risk for osteoporosis patients. Any bone can be affected, but the most serious ones are fractures of the hip and the spine.

> In India, the incidence is higher - one in four women and one in eight men get os-

teoporosis before the age of 50. More women die of osteoporosis fractures than of breast and ovarian cancers put together. Unfortunately, osteoporosis shows no symptom and is often diagnosed only after a fracture, by which time the patient may have suffered considerable bone loss.

Hepatitis

Hepatitis is caused by virus. These viruses are of six types, called A, B, C, D, E and G respectively. Out of these, the A and E types are found in water. All other are transmitted through blood. In India, the B and C types of viruses are prominent.

TB Epidemic

India accounts for about 33% of the global burden of tuberculosis. The disease is one of India's most important public health problems. Every day in India more than 20,000 people become infected with the tubercle bacillus, more than 5,000 develop the disease, and over 1000 die from TB. In India, tuberculosis kills 14 times more people than all tropical diseases combined, 21 times more than malaria, and 400 times more than leprosy. Every year, nearly 20 lakh people develop tuberculosis in India, nearly one million of them highly infectious sputum - positive cases. Two such cases develop every minute.

Every sputum-positive patient can infect 10-15 individuals in a year. Tuberculosis also kills more women than all causes of maternal mortalty combined. HIV and multidrug-resistant TB threaten to make this situation even worse. Unless urgent action is taken, more than 40 lakh people in India will die of tuberculosis in the next decade.

Combating TB India has long been at the forefront of the global battle against tubercu-·losis. Pioneering studies at the Tuberculosis Research Centre, Chennai and the National Tuberculosis Institute, Bangalore established the principles of tuberculosis control which

Iling/ numbness in hands or feet • recurring kin, gum or bladder infections.

Diabetes cases worldwide are estimated to e more than 150 million. WHO predicts it to louble by 2025 to reach 300 million. Develping regions, particularly Asia and Africa are expected to bare the burnt of the increase. Aost alarming, however, is the spread of liabetese across age barrier, especially among he teenagers is extremely worrying. Diabees is a chronic disease in which the body does ot produce or properly use insulin, a hornone needed to convert sugar, starches, and other foods into energy necessary for daily ife. Both genetics and environment appear o play roles in the onset of diabetes.

Guidelines for diagnosing diabetes: lowering the acceptable level of blood sugar rom 140 mg. of glucose/deciliter of blood o 126 mg/deciliter; testing all adults 45 rears +, and then every 3 years if normal; and testing at a young age, or more frequently, in high-risk individuals. Detection it an earlier stage will help prevent or delay complications of diabetes.

Type I (formerly known as insulin dependent)-The body produces very little or no nsulin; disease most often begins in childnood or early adulthood. People with type 1 diabetes must take daily insulin injections to itay alive.

Type II (formerly known as non-insulin dependent)-The body does not produce enough or cannot properly use insulin, It is the most common form of the disease (90-95% of cases in people over age 20) and often begins later in life.

Complications of Diabetes More than half of all individuals with diabetes do not know that they have the disease until one of its lifethreatening complications occurs. Potential complications include:

Blindness diabetes is the leading cause of blindness in people ages 20-74. Each year, many people lose their sight because of diabetes.

Kidney disease 10% to 21% of all people with diabetes develop kidney disease.

Amoutations Diabetes is the most frequent cause of nontraumatic lower limb amputations. The risk of a leg amputation is 15 to 40 times greater for a person with diabetes.

Heart disease and stroke People with diabetes are 2 to 4 times more likely to have heart disease. And they are 2 to 4 times more likely to suffer a stroke.

Alzheimer's disease

Experts observe that an estimated 12 million people are suffering from Alzheimer's disease worldwide.And as the population grows and people live longer, those numbers will explode more than 3 fold by the year 2050. Alzheimer's disease is a progressive, degenerative disease of the brain in which brain cells die and are not replaced.

Alzheimer's disease results in impaired memory, thinking, and behavior, and is the most-common form of dementing illness. The debilitating nature of the disease renders patients susceptible to infections (such as pneumonia and urinary tract infections) as they become emaciated, incontinent, Immobile, or enter a persistent vegetative state. It strikes equally among men and women of all races. Although most people diagnosed with Alzheimer's are older than age 60, the disease can occur in people in their 40s and 50s. Ten percent of those 65 years of age or older, and almost half of those over age 85, have the disease. The rate of the progression of Alzheimer's disease from the onset of symptoms until death ranges from 3 to 20 years; the average is 8 years. Eventually, patients become totally incapable of caring for themselves.

Diagnosis is complicated by the lack of a single, simple test to identify the disease. Through a series of diagnostic tests by a qualified physician, possible causes of symptoms, such as depression, drug interactions, mentia-such as those associated with stroke. can be identified. Huntington's disease, Parkinson's disease, Pick's disease, and infec-

autrient imbalances, or other forms of de-

tions (AIDS, meningitis, syphilis) are ruled

out, yielding a diagnosis of Alzheimer's disease that is 80-90% accurate. A definitive

diagnosis is possible only with a brain biopsy or an autopsy.

No treatment has proven successful in reversing the course of the disease, and providing care for patients with Alzheimer's disease is very physically and psychologically demanding. Nearly 70% of those afflicted need to be cared for in a nursing home.

People with Alzheimer's disease need a safe.

stable environment and a regular daily schedule. Physical exercise and social activity are Important, as is proper nutrition. A bracelet Identifying the person's name and condition may be helpful in case the person wanders

unknown, Warning signs: Recent memory loss that affects job performance; Inability to learn new information; Difficulty with everyday tasks such as cooking or dressing oneself; . Inability to remember simple words; Use of inappropriate words when communicating:

Disorientation of time and place; Poor or

decreased judgment; Problems with abstract

away. The causes of Alzheimer's disease are

thinking; Misplacing objects in inappropriate places; Rapid changes in mood or behavior: Increased imitability, anxiety, depression, confusion, and restlessness; Prolonged loss of initiative.

Blood Vessel Disease

Cholesterol A blood cholesterol level over 240 mg/dl (milligrams of cholesterol per deciliter of blood) approximately doubles the risk of coronary heart disease. Blood choles-

terol levels between 200 and 240 mg/dlare in

a zone of moderate and increasing risk. An

estimated 6.5 mil (10.8% of) youths age 4-19

have levels of 200 mg/dl or higher.

Blood Pressure High blood pressure, or hypertension,

affects people of all races, sexes, ethnic origins, and ages. Various causes can trigger this often symptomless disease. Since hyper-

tension can increase one's risk for stroke, heart attack, kidney failure, and congestive heart failure, it is recommended that individuals have a blood pressure reading at least once every 2 years (more often if advised by a physician). A blood pressure reading is really two measurements in one, with one written over the other, such as 122/78. The upper number (systolic pressure) represents the amount of pressure in the blood

represents the pressure in the blood vessels between beats, when the heart is resting. According to health guidelines, normal blood pressure is below 130/8S and "high normal" is between 130/85 and 139/89. High blood pressure is divided into 4 stages, based on severity: Stage 1 (mild) high blood

pressure ranges from 140/90 to 159/99; Stage

2 (moderate) is from 160/100 to 179/109;

Stage 3 (severe) is from 180/10 to 209/119;

Stage 4 (very severe) is 210/120 and up.

vessels when the heart contracts (beats) and

pushes blood through the circulatory sys-

tem. The lower number (diastolic pressure)

The diagnosis of hypertension can be based on either the systolic or the diastolic reading. High blood pressure usually cannot be cured, but it can be controlled in a variety of ways, including lifestyle modifications and medication. Treatment should be at the direction and under the supervision of a physician.

Hypertension

Hypertension, is the commonest cardiovascular disease, predisposes to heart attack, heart failure, stroke, kidney failure etc. Two values are recorded --- one above

(numerator) is called systolic pressure and the one recorded below (denominator) is the diastolic pressure. Upper limit of normal blood

pressure for an adult is 139/89; when the value exceeds this limit (on multiple recordings — at least three) he/she is said to have the disease called hypertension (systemic hypertension is the correct term).

Warning Signs of Heart Attack: Uncomfortable pressure, fullness, squeezing, or pain in the centre of chest lasting 2 minutes or longer • Pain may radiate to the shoulder, arm, neck, or jaw • Sweating may accompany pain or discomfort • Nausea and vomiting also may occur • Shortness of breath, dizziness, or fainting may accompany other signs.

Warning Signs of Stroke: • Sudden numbness or weakness of face, arm or leg, especially on one of the body • Sudden confusion, trouble speaking or understanding • Sudden trouble seeing in one or both eyes • Sudden trouble walking, dizziness, loss of balance or coordination • Sudden severe headache with no known cause.

Genetic Disorder

(i) ABO incompatibility: O group mothers don't possess antigen A or B but have anti-A and anti-B antibodies. A or B group foetus in O group invites antibodies of the mother causing partial destruction of RBCs and production of bilirubin (affecting the baby with mild anaemia and jaundice). Similarly, Agroup foetus in B-group mother or B-group foetus in A-group mother is attacked by antibodies of mother. ABO hemolytic (RBC-destroying) disease of new born is quite common and less severe as compared to Rhincompatibility). (ii) Sickle Cell anaemia: It is due to a recessive autosomal gene (Hbs) that causes abnormalities in haemoglobin resulting in sickle of RBCs-sickle cells (rigid sickle cells obstructing capillary blood flow). (iii) Phenylketonuria causes deficiency of an enzyme called phenylalanine hydroxyls in liver (characterised as mental retardation, hypopigmentatiion of skin and hair, eczema,

mousy odour of skin, hair and urine). (iv) 'Haemophilia a recessive trait that occurs due to absence of plasma thromboplastin or antihaemophilia globulin. (v) Red-Green Colour Blindness: causes one unable to distinguish between red and green colour (predominantly in male), (vi) Thalassemia results from defective synthesis of sub-units of haemoglobin, (vii) Downs' Syndrome or Mongolian Idiocy is caused by trisomy of 21st autonomic chromosome having a total of 47 chromosomes instead of 46. It is characterised by round face, flattened nasal bridge, broad fore-head, projecting lower lip, short neck, stubby fingers, etc.

Mental Illness

Psychosis: disease of CNS. It could also be related to diabetes, hypertension, and TB. In this case the patient is unaware of the illness and refuses treatment.

Epilepsy: Seizures characterised by abnormal electrical discharge in a part of brain. Symptoms: fits of convulsions (jerk, stiffness, tongue biting, sensory changes), cry, etc.

Neurosis: The patients show excessive reaction to given stress. It involves abnormal anxiety, fear, sadness, vague aches and pains.

Schizophrenia: It is characterised by disorganised personality (like auditory halfucinations, delusions, illogical thinking, and sense of being controlled by outside forces). Regular use of criceromazine and psychosocial therapy give of of relief.

Medical Technology

A Diagnostic Instruments: (i) ECG—emtrocardicgraph setects mycelectrical craft
during cardiac cycle (sino-atrial block appettors variular defects, emEchocardicgraphy, a sonographic appettor, rean vessels, valves, walls
-electroencechalograph recommenders, crain tumour, epilepsy, crain tumour,

fects on brain, sleep disorder, etc. (iv) MET—magneto encephalographic technique detects weak magnetic waves to find out the

health of various parts of brain. (v)

Autoanalysers are automatic computerised
instruments, that estimate different

instruments that estimate different biochemicals present in body fluids like urea, cholesterol, glucose, proteins, enzymes, etc. B. Imaging Instruments: (i) Tomography—

creates 3D image of internal area through imaging of different layers. It detects cysts, calculi, cancer, etc. (ii) CT Scanning – an imaging method using invasive technique with low-level X-ray radiation. It detects disorder in abdomen, chest, spinal chord, internal haemorrhage, tumour, etc. (iii) CAT scanning - detects problems inside the skull and location of any pathological condition. (iv) MRI – magnetic resonance imaging uses

internal tissues, to highlight pathological changes and studying tissue metabolism.

strong external magnetic field for mapping

Imaging can be obtained from any plane. (vi) Ultrasound imaging is used to diagnose kidney stone, gall bladder stone, intestinal obstruction, fallopian tube, age, health, gender

ney stone, gall bladder stone, intestinal obstruction, fallopian tube, age, health, gender of foetus, etc.

C. Therapeutic Instruments (i) Pace-maker – regulates the heart beat. (It is affected by microwave-oven, metal detectors, electric shaver, cellular phone, automobile ignition, etc.) (ii) Angioplasty – used to open a blocked coronary artery vessel through ballooning. (iii) Angiography is a method of introducing radio-opaque contrast medium or fluoroscopic chemical through various parts of heart to study the health of walls, valves, ventricles, coronary arteries, etc. The progress could be filmed.

hasten the relief or death

The word euthanasia is derived from two Greek words (eu, well, and thanatos, death), which mean "a good death". The term is usually used in a medical context. It is the practice of mercifully terminating life when a person is hopelessly ill or injured or without prospect of recovery in order to

medical technology have made it increasingly possible for life to be prolonged. Prolonged hospitalisation or being bed-ridden for a long time causes lot of problems and inconveniences not only to the patient but to others too besides the escalating cost.

Modern advances in medicine and

Dr. Kevorkian, better known as Dr. Death, a physician even created a machine

would end their life if they are terminally ill. The world, anyway is divided widely over the subject, where a few are out to give It a legal status while others ban it altoghter.

which let patients self-induce drugs that

Definitions:

It is the intentional killing by act or omission of a dependent human being for his or her alleged benefit. (The key word here is "intentional". If death is not intended, it is not an act of euthanasia).

There are different categories in euthanasia - Voluntary euthanasia (when the person who is killed has requested to be killed); Non-voluntary (when the person who is killed made no request

and gave no consent); Involuntary

euthanasia (when the person who is killed made an expressed wish to the contrary); Assisted suicide (someone provides an individual with the information, guidance, and means to take his or her own life or when it is a doctor who helps another person to kill themselves it is called "physician assisted suicide."); Euthanasia By Action (intentionally causing a person's death giving a lethal injection); Euthanasia By Omission (intentionally causing death by not providing necessary and ordinary (usual and customary) care or food and water).

There is no euthanasia unless the death is intentionally caused by what was done or not done.

Reasons for:

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- 1. Unbearable pain, 2. Suffering,
- 3. People should not be forced to stay alive, and 4. Demanding a "right to commit suicide" (Not applicable in India).

Arguments againnf.

Human life is very precious and if it that ethical to push one person to death. May does not have any right to destroy his which he or she cannot create.

The act is against a moral man's concience and rejection of the importance and value of human life

It would not only be for people who are "terminally ill"

It can become a means of health care cost containment

It will become non-voluntary

Mistakes can be made with regard to supposed incurable diseases. The disease may be incorrectly diagnosed or may be able to be survived or cured.

No law having to do with mercy killing would be able to account for every circumstance, and therefore would be either so complex as to make dying longer and less dignified, it would have so few controls that abuses would occur.

एएंटरहारि । हिंग प्रहारे

tem cells are building blocks of life. These versatile cells have the ability to grow into any kind of tissue-skin, heart, liver, or any other organ. These cells can be procured from embryos, umbilical cord blood, adult patient's own body like bone marrow, blood, etc. These stem cells work by repairing the damaged part of the body. They can treat cardiovascular disorders, diabetes and neurological disorders like stroke, muscular dystrophy, cerebral palsy, liver degeneration, and eye injuries. On the basis of their use the stem cells can be broadly divided into three types.

(1) Totipotent: Can trum

in the body, including placenta. (2) Pluripotent: Can turn into any cell except placenta. (3) Multipotent: Have limited uses as they can turn into only some types of cells. These cells can be frozen at minus 270 degree Celsius in liquid Nitrogen and can be used 50 years after a person is born to treat ailments that may develop due to genetic predispositions.

The stem cells therapy has become so simple that no major surgery is required. In most cases these cells are infiltrated or directly injected intravenously into the

ethical question of creating an embryo to extract stem cells and then destroy it using a therapeutic cloning process.

Stem Cell Research In India: Although stem

cell research is at a nascent stage in India, it has immense potential. Now at AlIMS treatment using stem cells is available. In 2005, Indian doctors have successfully treated neurological disorders, cardiac disorders, diabetes, etc. As part of the facility, the AlIMS has set up an umbilical cord stem cell bank. These cells are then cryopreserved - stored in

liquid nitrogen at minus 270° Celsius. Even 90 years later, this can then be thawed and used for treatment. More than 45 disorders can be

treated with stem cells from umbilical cord

New Embryo-Safe Stern Cells

In an innovative move, in 2006 a US biotech company, Advanced Cell Technology, has found a new way of making stem cells without destroying embryos, touting it as a way to defuse one of the fiercest political and ethical debates. The new method works by taking an embryo at a very early stage of development and removing a single cell, which can be coaxed into spawning an embryonic stem cell line. With only one cell removed, the rest of the embryo retains its full potential for development.

िर्माणे दुष्टाम्पेगर्पे

dial and the water clock which were used in Egypt. In the 2nd century B.C., Ctesibius, a Greek engineer of Alexandria, redesigned the ancient Egyptian water clock and made it popular. During the Middle Ages mechanical clocks run by falling weights came into vogue. These were more convenient than the water clocks but both erred by as much as hall an hour per day. In 1884 the second—the lowest unit of time—was defined as

The earliest instruments for measuring

time included many devices like the Sun

meant that the 24-hour day was made up of 86,400 seconds.

But the Earth wobbles as it rotates. This wobbling leads to fluctuations in the time of rotation. It was therefore decided in 1960 to

1/86,400 of the time that the Earth took to

complete one rotation on its own axis or 1/

86,400 of a day of 24 hours. This, of course,

mary unit (that is, a day of 24 hours), and to adopt the period of revolution (of the Earth round the Sun) as the basis of calculations. The second was thus re-defined as 1/31,556,925.9747 of the time that the Earth took to complete one revolution round the Sun. A year of 365 days and odd, thus consisted of about 31.5 million seconds.

In 1967 the General Conference on Weights & Measures recognised the atomic second as determined by the cesium (caesium) atom clock as the unit of time under the International System of Units (SI). The atomic second is defined as the time taken by the cesium electron to complete 9,192,631,770 spins. The definition is inaccurate because the cesium electron may sometimes take more spins and sometimes less spins than the defined norm. The atomic clock has 2 specific advantages. It is not

Earth. The latter has become important in nt years. For, it has been observed from) onwards that the Earth is slowing n in rotation by nearly a second every . Since this error has been noticed, clocks ver the world are being corrected at the nning of every year to conform to the nic time. The atomic clock developed by British National Physical Laboratory has eved a very high degree of accuracy. It is trate to one second in 300 years. Since lary 1972, a new standard of time called Co-ordinated Universal Time (UTC) has been maintained in Paris, the headquarof the General Conference on Weights & isures. This is not based on any single nic clock but on the average of atomic :kreadings from 18 timing centres around

nor by the fluctuations in the rotation of the

he UTC does not gain or lose more than : hundred millionth of a second per day. s has whittled down the infinitesimal or of the atomic clocks to the vanishing nt. It is expected that the UTC will rein absolutely correct for a quarter miln years.

world.

The system of Standard Time was introced to correlate the time systems of ious countries on an international basis. r this purpose the Earth was divided into longitudinal zones, each zone being 15 grees of an arc or one hour apart in time. e zero zone is centred at Greenwich andon) which gives the GMT or the Greenich Mean Time. The 12th zone is divided the 180th meridian, the International ate-line.

The zones to the east of this line are umbered from 1 to 12 with the prefix inus indicating the number of hours to be abtracted to obtain the Greenwich Time. he zones to the west are similarly numered with the prefix plus which shows the number of hours that must be added to get

the Greenwich Time. The Date-line is a zigzag line that coincides more or less with the 180th meridian. When the Date-line is crossed to the west the date must be advanced by one day. When the Line is crossed to the east, the date must be set back by one day. The Line is deflected between north latitudes 48° and 75° with the result that all Asia lies to the west of the line.

The 24-hour time is now being increasingly used especially by railways and other transport organisations. Its great advantage is that it dispenses with the suffixes a.m. and p.m.. In the 24-hour system, day begins at midnight, the zero hour, and the hours that follow are consecutively numbered from 0 to 23.

Away from Equator in the high latitudes daylight timings vary considerably. In such areas DAYLIGHT Saving Time (DST) is followed during a part of the year. The idea of setting clocks ahead to have more daytime during the waking hours was first suggested in a whimsical essay by Benjamin Franklin in 1784. In 1907 in England William Willett campaigned for setting clocks ahead by 80 minutes in four moves of 20 minutes each during the spring and summer. A less radical suggestion, to advance clocks by an hour for spring and summer, was rejected Summer DST was first the next year. adopted during World War I in such countries as the United States, Germany, and Great Britain. The same policy was followed during World War II. A variation, "double summer time," was used in England, with clocks advanced two hours in summer and one hour in winter. The Uniform Time Act of 1966, which called for six months of DST, took effect in most of the United States in 1967. Year-round DST was tried in 1973 but quickly lost public support. In 1986 DST was set to begin on the first Sunday in April and end on the last Sunday in October.

Time Chart							
		Ghana		-) 5.30	T		
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Afghanistan Albania	(-) 1.3	0 Guatem	-1-	9.30 11.30	Peru	(-) 10.30)
i	(-) 4.3		(-)) B.30	Philippines	(+) 2.30)
Algeria	(-) 4.3		(-)	10.30	Poland	(-) 4.30	,
Antilles	(-) 9.3	0 Hondura			Portugal	(-) 5.30	,
Argentina	(-) B.3	o Hong Ko	(-)	11.30 2.30	Porto Rica	(-) 9.30	
Australia	(+) 2.30/(+) 4.3	0 Hungary	(+)	4.30	Qatar	(-) 2.30	
Austria	(-) 4.3				Romania	(-) 3.30	- 1
Bahamas	(-) 10.30	1 4	a (+) 1.30/	5.30	Russia (-)((2.30)(+)5.30	- 1
Bahrain	(-) 2.30				Saudi Arabia	(-) 2.30	1
Bangladesh	(+) 0.30	1.	-	2.00	Senegal 1	(-) 5.30	1
Barbados	(-) 9.30			2.30	5eychelles	(-) 1.30	
Belgium	(-) 4.30	1	· ·	5.30	Sierra Leone	(-) 5.30	
Belize	(-) 11.30	1 .	t†	.30	Singapore	(+) 2.30	1
Benin	(-) 4.30	1.	(-)3	,	Somalia	(-) 2.30	1
Bermuda	(-) 9.30	Japan	(-) 10	.30	Spain	(-) 4.30	1
Bolivia	(-) 9.30	Jordan	(+) 3		Sri Lanka	(Indian Time)	
Botswana		Kenya	(-) 3	.30	Sudan	T-) 3.30	
Brazil	(-) 3.30	Korea (Sou	(-) 2.		Suriname	(-) 8.30	İ
Brunei	(-) B.30	Kuwait	(+) 3.		Swaziland	(-) 3.30	ĺ
Bulgaria	(+) 2.30	Lebanon	(-) 2.		Sweden	(-) 4.30	
Burkina Faso	(-) 2.30	Liberia	(-) 3		Switzerland	(-) 4.30	
Cameroon	(~) 5.30	Libya	(-) 5.		Syria	(-) 3.30	
anada	(-) 4.30	Luxembour	(-) 3.3		l'aiwan	(+) 2.30	
emen Islands	(-) 9/14.30	Malawi	(-) 4.3	0 7	Tanzania	(-) 2.30	
en. Afncan Republ	(-) 10.30	Malaysia	(-) 3.3		hailand	(+) 1.30	
had		Maldives	(+) 2.3	0] [onga	(+) 7.30	
hile	(-) 4.30	Mali	(-) 0.3	0	rinidad and Tobago	(-) 9.30	
hina	(-) 9.30	Malta	(-) 5.3		unisia	(-) 4.30	
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ongo	(-) 10 30	Mexico	(+) 0.3(ganda	(-) 2.30	- 1
osta Rica	(-) 4.30 (-) 11 30	Micronesia	(-) 11.30 (+) 3.30/5.30	Ur	nited Arab Emirates	(-) 1.30	- 1
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ech Republic		Morocco	(-) 9.30 (-) 5.30	1	uguay	(-) B.30	- 1:
nmark		Mozambique	(-) 3.30		nuatu	(-) 5.30	- 1.
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minican Islands	/ \ \ \	Vamibia	(-) 3.30	1	rezuela	(-) 9.30	-1
ninican Republic	(100-	Vauru	(+) 6.30	Yen		(-) 2.30	- 1
dor		Vepal	(+) 0.00		ostavia	(-) 4.30	
ot	(-) 10.30 N	letherlands	(-) 4.30	Zair	-	(-) 4.30	1
pia		ew Zealand	(+) 6.30	Zam	1013	(-) 3.30	N.
		icaragua	(-) 11,30		papwe	(-) 2.30	
nd		ger	(-) 5.30	USA	117	Zones)	13
e		geria	(-) 4.30	New	· UIX) 10.30	
oia		nvay nan	(-) 4.30	Texa:	,) 11.30	- 14

San Francisco

e
e tiny vibrations that can travel
nd other materials. The loudness
measured in decibels (db).

and levels in de	ecibels :
	0 db
leaves .	10 db
g	10 db
he trees	20 db
	20-30 db
6. Ticking Clock	30 db

7. Radio Music, inside home	50-60 db
8. Loud television	70db
Children playing	60-80 db

10. Vacuum cleaner 80 db Mixie loud snore 88 db 12. Roaring Lion

90 db 13. Road Traffic Noise 60-90 db 14. Heavy truck traffic 90-100 db

15. Powerful rock music 100 db 16. Motor Cycle 105 db 17. Power drill 110 db 18. Thunder storm

110 db 19. Pain threshold for humans 130 do

130 db above causes damage to hearing

Temperature Scales The Celsius scale was worked out by the Swedish physicist and astronomer Anders

Celsius in 1742. It was revised by another Swedish physicist J.P. Christen. This scale was originally called Centigrade. It was renamed Celsius scale in honour of its inventor Celsius.

The Fahrenheit scale was devised by the German-bom physicist Gabriel Daniel Fahrenheit around 1715. The Kelvin scale was pioneered by the British physicist William Thompson Kelvin (1824-1907), later Lord Kelvin. Tre

International System of Units (SI) recognises the Celsius and Kelvin scales. The Kelvin scale is derived from thermo-dynamics and is of special importance to scientists. The scale generally used by all is the Celsius. The unit of temperature adopted by the Slis based on the Triple Point of Water, i.e., the temperature at which solid, liquid, and gaseous water are all in equilibrium. The triple point has been defined

as 273.16† (Kelvin) which is equivalent to 0.01°C. Zero degree Kelvin is the Absolute Zero. This corresponds to -273.16: Celsius and -459.69° Fahrenheit. Absolute Zero is a thermodynamic concept (cased or frest energy). It is the point at which molecules have no heatenergy. At this point all motion stops. Even atomic particles slow down.

Temperature conversion formula

Celsius to Kelvin: K = °C + 273.16 Fahrenheit to Celsius: ${}^{\circ}C = ({}^{\circ}F-32) \times 0.555$ Celsius to Fahrenheit: ${}^{\circ}F = {}^{\circ}C \times 1.8 + 32$

Companson of temperature scales:

	Language 209162;			
OF OF	°C	K		
Absolute zero -459.7	-273.15	0		
Freezing pt. water 32	0	273.15		
Normal human body 98.6		310.15		
Boiling point, water 212	100	372 15		

	Memo	y Size Conve	ersion Table	100 373.1
	Bytes		TO TO TO	
Kilobyte	1,024	Kilobyte		
Megabyte	1,048,576	1,524		
Gigabyte	1,073,741,824	1,742,576	Megabytes	
Terabyte	1,099,511,627,77	E - (73 = e -	1,5.24 524 1,5.42,576	Gigabytes
-		- 1.12/12	1,5.42,576	1,024

น้างอานีบแร้ อินับไปร้องงอสีล้อ

Invention	Date	Inventor	Country
Acetylene gas	18 <i>6</i> 2	8erthelot	French
Adding Machine	1642	Pascal	French
Adhesive tape, Scotch	1930	Richard Drew	USA
Aeroplane	1903	Orville & Wilbur Wright	U.S.A.
Air conditioning	1902	Carrier	USA
Airplane, jet engine	1939	Ohain	German
Airshlp (non-rigid)	1852	Henri Giffard	France
Aerosol spray	1926	Erik Rotheim	Norway
Airship (rigid)	1900	G.F. von Zeppelin	Germany
Artificial Heart	1957	Willem Kolff	Netherlands
Atomic 8omb	1945	J.Robert Oppenheimer	USA
Atomic numbers	1913	Moseley	8ritain
Atomic theory	1803	Dalton	Britain
Automatic rifle	1918	John Browning	USA
8akelite	1907	Leo H. Baekeland	8elgium
8allistic missile	1944	Wernher von 8raun	Germany
8alloon	1783	Jacques & Joseph Montgolfier	France
8ail-Point Pen	1888	John J. Loud	U.S.A
Ball-Point Pen (Modern)	1938	Lazlo 8iro	Hungary
Barometer	1644	Evangelista Torricelli	Italy
Battery (Electric)	1800	Alessandro Volta	Italy
8icycle	1839-40	Kirkpatrick Macmillan	Britain
Bicycle Tyres (pneumatic)	1888	John Boyd Dunlop	8ritaln
8ifocal Lens	1780	8enjamin Franklin	U.S.A.
Bleaching Powder	1798	Tennant	8ritaln
8olt-action rifle	1889	P.von Mauser	Germany
8unsen 8urner	1855	R. Willhelm von 8unsen	Germany
Burglar Alarm	1858	Edwin T. Holmes	U.S.A.
Calculus	1670	Newton	8ritain
Camera, Kodak	1888	Walker Eastman	USA
Canned food	1804	Appert	French
Car (stearn)	c. 1769	Nicolas Cugnot	France
Car (Petrol)	18B8	Karl 8enz	Germany
Carburettor	1876	Gottlieb Daimler	Germany
Carpet Sweeper	1876	Melville R. 8issell	U.S.A.
Cash Register	1879	James Ritty	U.S.A.
Cassette, audio	1963 •	Philips Co.	Holland
Cassette, videotape	1969	Sony	Japan
Cellophane	1908	Dr. J. 8randenberger	Switzerland
Celluloid	1861	Alexander Parkes	Britain
Cement (Portland)	1824	Joseph Aspdin	8ritain
Chemotherapy	1909	Ehrlich	German
Chronometer	1735	John Harrison	Britain
		· · · · · · · · · · · · · · · · · · ·	Dittuiii.

Cinema	1895	Nicolas & Jean Lumlere	Leance
Clock (mechanical)	1725	1-Hsing & Llang Ling-Tsan	Chilia
ock (Pendulum)	1656	Christian Huygens	Netherlands
oning, DNA	1973	Boyer, Cohen	USA
oning, mammal	1996	Wilmut, et al	UK.
ompact disc	1972	RCA	USA
ompact disc player	1979	Sony, Philips Co Jaçiati,	Hetherlands
omputer, laptop	1987	Sinclair	Britaln
emputer, mini	1960	Digital Corp.	AND
rossword puzzle	1913	Arthur Wynne	0.5.6
Tscan	1973	Hounsfield	licitaice
ental Plate	1817	Anthony A. Plantson	U.S.A
liesel Engine	1895	Rudolf Dieself	Cottons
)isc Brake	1902	Dr. F. Lanchester	Kritairi
Disc. video	1972	Philips Co.	Hedland
DNA, structure	1951	Crick-UK, Watson-US, Wilkins-UK	
Dynamo	1832	Hypolite Pixii	France
Electric Blanket	1883	Exhibited at the Vienna Exhibition	
Electric Flat Iron	1882	H.W. Seeley	11,5 1
Electric Furnace	1861	William Siemens	Britain
Electric Lamp	1879	Thomas Alva Edison	0,57
Electric Motor (DC)	1873	Zenobe Gramme	Extenses
Electric Motor (AC)	5531	Nikola Tesla	11.50
Electric iron	1882	Henry W. Seely	17:4
Electric Washing machine	1906	Aira J. Fisher	11.5 A
Electro-Magnet	1824	William Sturgeon	Ectar
Electron	1237	Tricmson, J	Briair
Electroplating	7805	Luigi Ecignatelli	tiaty
Electronic Computer	1824	Dr. Alan M. Turng	Frine
Facsimile Machine	1843	Alexander Esin	2/3/218
Fibre optics	1955	Kacany	7219 Air
Film (moving cuttines)	1385	Louis Prince	2-37 65
film (tarcing)	1922	J. End. J. Musselle & H. Yags	Commen
Film (musical scuric)	7923	Dr Le de Forest	10 75
Hoppy disk	7,970	IE:A	1,52
Frequency Mcculation (Pvf)	7993	EH. AMERICA	٠, ٠,٠
Frisbee	1342	THE METTERS.	1.5
Frozen food	7921	Carence Birdoeye	
Fountain Pen	1324	Levis E Visiernar	ختر
Galvanometer .	7.35.4	APTER MERE APTERE	2000
Gas Lighting	1792	V. Them Martine	2019,20
Gelger courter	73-3	Carre	مير "استعم
Glass (na 'red')	<u> </u>	* compressions	وسيرس استقر
Cystewsis	<u> </u>	- SP 8 1	2012/2016
Grider .	7,25%	2- Care 2. 2.	25.20
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Hologramy	-34-	The state of the s	
However.		Control Trans	,3%
Francisco Description		The state of the s	. .

Intelligence testing	1905	Simon Binet	Fre Cyprus & N. Pales
Iron Working (Carbonised)	c. 1200 8.C.		yprus & N. Pales
let Engine	- 1937	Sir Frank Whittle	OTI I
Kevlar	1965	8lades Kwolek	U
Laser	1957	Gould	
Launderette	1934	J.F. Cantrell	U.
Lift (Mechanical)	1852	Elisha G. Otis	Ü.
Lightning Conductor	1752	8enjamin Franklin	U.
Linoleum	1860	Frederick Walton	8ri
Linotype	1883	O. Margenthaler	U
Locomotive	1804	Richard Trevithick	8ri
Logarithms	1614	Napier	8n
Loom, power	1785	E. Cartwright	8ri
Loudspeaker	1900	Horace Short	8ri
Machine Gun	1718	james Puckle	8ri
Magnetic Recording Tape	1928	Fritz Pfleumer	Germ
Maps	c.3800 8.C.	Sumeria (clay table	ets of river Euphra
Margarine	1869	Hippolyte M. Mouries	Fra
Match, safety	1826	John Walker	8r
Microphone	1876	Alexandedr Graham Bell	U.
Microprocessor	1971	Robert Noyce & Gordon Moore	U.
Microscope, comp.	1590	Z. Janssen	Netherland
Microscope, elect.	1931	Ruska Knoll	Geri
Microwave Oven	1947	Percy LeBaron Spencer	U,
Motor Cycle	1885	G. Daimler of Cannstatt	Germ
Movie Projector	1893	Thomas Edison	บ
MRI	1971	Damadian	
Neon Lamp	1910	Georges Claude	Fra
Neutron	1932	Chadwick	8r
Neutron bomb	1958	Samuel Cohen •	
Nylon	1937	Dr. Wallace H. Carothers	U.
Optical Fibre	1955	Narinder Kapany	Germ
Paper	A.D. 105		C
Pacemaker	1952	Zoll	
Parchment	c. 1300 8.C.		E
Parking Meter	1935	Carlton C. Magee	-
Parallel Computing	1979	Seymour Cray & David Gelemtes	
Pasteurization	1867	Louis Pasteur	Fra
Pencil	1792	Jacques-Nicolas Conte	Fra
Periodic table	1869	Mendeleyev	R
Photocopier	1938	Carlson	
Photoelectric cell	1893	Julius Elster, Hans F. Geitel	Germ
Photo film, celluloid	1893	Reichenbach	Gen
Photo film, transparent	1884	Goodwin Eastman	
Photographic paper	1835	Talbot	8r
Photography (on metal)	1826	J.N. Niepce	Fra
Photography (on paper)	1835	W.H. Fox Talbot	Br
Photography (on film)	1888	John Carbutt	U.
Piano	1709	Cristofori	0.
Pistol, revolver	1836	Colt	
Plasticine	1900	William Harbutt	
Plutonium fission	1940	Kennedy, Whal, Seaborg, Segre	
Porcelain	1851	, trial, seaborg, segre	U

ost-it-note	1980	3M	US
	c. 6500 B.C.	<u> </u>	Asia Mino
op-up toaster	1927	Charles Strite	U.S.A
rinting Press	c. 1455	Johann Gutenberg	German
rinting (rotary)	1846	Richard Hoe	U.S.A
nnting (Web)	1865	William Bullock	U.S.A
ropeller (ship)	1837	Francis Smith	Britair
roton	1919	Rutherford	N.Zealand
luantum theory	1900	Planck	Germai
adar	1922	A.H. Taylor & Leo C. Young	U.S.A
adiocarbon dating	1947	Libby	U.S.
adio Telegraphy	1864	Dr. Mahlon Loomis	U.S.A
adio Telegraphy (Trans Atlan	tic) 1901	G. Marconi	İtal
ayon	1883	Sir Joseph Swan	Britair
azor (electric)	1931	Col. Jacob Schick	U.S.A
azor (safety)	1895	King C. Gillette	U.S.A
ecord (long-playing)	1948	Dr. Peter Goldmark	U.S.A
efrigerator	1850	James Harrison, Alexander Catlin	U,S.A
elativity theory	1905	Einstein	Germa
olierbiades	1980	Scott & Brennan Olsen	U.S.A
lubber (latex foam)	1928		Britair
lubber (Tyres)	1846	Thomas Hancock	Britai
lubber (vulcanised)	1841	Charles Goodyear	U,S,A
lubber (waterproof)	1823	Charles Macintosh	Britai
lubik Cube	1975	Prof. Emo Rubik	Hungar
iafety Pin	1849	Walter Hunt	U.S.A
iafety razor	1903	King Camp Gillette	U.S./
seat belt	1959	Volvo	Sweder
ielf-starter	1911		U.S.A
ship (steam)	1775	Charles F. Kettering J.C. Perier	France
ship (turbine)	1894	Hon. Sir C. Parsons	Brital
Silk Manufacture		non. Sir C. Parsons	
Skateboard	c. 50 B.C.	07/6 14 1 01 1	Chin
	- 1958	Bill & Mark Richards	U.S.A
Skyscraper Slide Rule	1882	W. Le Baron Jenny	U.S.A
	1621	William Oughtred	Britai
Slinky spring	1946	Richard James	U.S.A
Spectacles (convex)	1289		Venice, Ital
Spinning Frame	1769	Sir Richard Arkwright	Britair
Spinning Jenny	1764	James Hargreaves	Britair
Spinning Mule	1779	Samuel Crompton	Britair
Steam Engine	1698	Thomas Savery	Britair
Steam Engine (piston)	1712	Thomas Newcomen	Britair
Steam Engine (condenser)	1765	James Watt	Britair
Steel (stainless)	1913	Harry Brearley	Britair
Stethoscope	1819	Laennec	French
Submarine	1776	David Bushnell	U.S.A
Super Computer	. 1976	J.H.Van Tassel	U.S.A
Swiss army knife	1891	Karl Elsener	Switzerland
Synthesiser	1964	Moog	USA
Tank	1914	Sir Ernest D. Swington	Britain
Tape recorder	1899	Fessenden Poulsen	Denmark
Teddy bear	1903	Margarete Steiff	Germany
Telegraph	1787	M. Lammond	

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Telegraph Code	1837	Samuel F.B. Morse	U.S.A.
Telephone, cellular	1947	Bell Labs	U.S.A.
Telephone (Imperfect)	1849	Antonio Meucci	İtaly
Telephone (Perfected)	1876	Alexander Graham Bell	U.S.A.
Telescope	1608	Hans Lippershey	Netherlands
Television (mechanical)	1926	John Logie Baird	Britain
Television (electronic)	1927	P.T. Farnsworth	U.S.A.
Television, colour	192B	John Logie Baird	Britain
Terylene	1941	J.R. Whinfield, J.T. Dickson	Britain
Transformer	1831	Michael Faraday	· Britain
Transistor	1948	Bardeen, Shockley & Brattain	U.S.A.
Transistor radio	1955	Sony	Japan
Uranium fission, atomic reactor	1942	Szilard Fermi	U.S.A
Vacuum cleaner, elec.	1907	Spangler	USA
Video tape	1956	Charles Ginsberg	U.S.A.
Velcro (hook-and-loop-fastener)	1948	Georges de Mestral	Switzerland
Washing Machine (elec.)	1907	Hurley Machine Co.	U.S.A.
Washing Machine (elec.)	1462	Bartholomew Manfredi	Italy
	1589	Designed by J. Harrington	Britain
Water Closet	1877	Elisha Thomson	
Welder (electric)		Elisha i nomson	U.S.A.
Windmill	c. 600		Persian corn grinding
Wireless (telegraphy)	1896	G.Marconi	Italy
	00 B.C.	tion is a second	Sumerian civilization
X-ray	1895	Wilhelm K. Roentgen	Germany
Yo-Yo	1929 1891	Donald F. Duncan	U,S.A.
Zip Fastener		W.L. Judson	U.S.A.
4.1		tones in Medicine	
Adrenaline	1894	Schafer and Oliver	Britaln
Anatomia* Anesthesia, local	1316	Mondino	ltaly
Anesthesia, iocal	1885 1898	Koller	Austria
Anti-toxins (science of immunity)	1890	Bier S. Vilond	Germany
Artificial Heart	1957	8ehring & Kitasato Willem Kolff	Germany, Japan
Ashtanga Hridaya		ND Vagbhata	Netherland India
Aspirin	1889	Dreser	Germany
Aureomycin	1948	Duggar	USA
Ayurveda 20	00-1000	8CAtreya	India
Bactena	1683	Leeuwenhock	Netherlands
8acteriology	1872	Ferdinand Cohn	Germany
8iochemistry	1648	Jan Baptista Van Helmont	8elgium
8lood plasma storage (blood ban		Drew	USA
8lood Transfusion	1625	Jean-8aptiste Denys	France
Cardiac Pacemaker	1932	A.S.Hyman	USA
CAT Scanner Chemotherapy 14	1968	Godfrey Hounsfield	8ritain
Chlorolorm as anaesthetic	93-1541	Paracelsus	Switzerland
Chloromycetin	1847	James Simpson	Britain
Cholera, T.8. germs	1947	8urkholder	USA
Circulation of blood	1877 1628	Robert Koch William Harvey	Germany
Cortisone	1936	Edward Calvin-Kendall	8ritain
Cortisone	1936	Kendali	USA
Cryo-surgery	1953	Henry Swan	AZU
			1118

	1883-84	Klebs & Loffler	German
lectro-cardiograph	1903	Willem Einthoven	Netherland
lectro-encephalogram	1929	Hans 8erger	German
,,	92-1896	Kari Ernest-Van 8aer	Estoni
ndocrinology	1902	Bayliss & Starling	Britair
First Test Tube 8aby	1978	Steptoe & Edwards	8ritair
Gene Therapy on humans	1980	Martin Clive	USA
Genes associated with Cancer	1982	Robert Weinberg & others	USA
Heart Transplant Surgery	1967	Christian Barnard	S.Africa
Histology 17:	71-1802	Marie Bichat	France
Hypodermic Syringe	1853	Alexander Wood	Britair
Insulin Ior Diabetes	1921	8anting & Best -	Canada, Macleod - 8ritai
Kidney Machine	1944	Kolf	Netherlan
Leprosy Bacillus	1873	Hansen	Norwa
LSD (Lysergic acid diethylamide)	1943	Hoffman	Switzerlan
Malaria germs	1880	Laveran	Franc
Morphine	1805	Friderich Sertumer	German
	58-1828	Franz Joseph Gall	German
Nuclear magnetic resonance imag	ging 1971	Raymond Damadian	US
Open Heart Surgery	1953	Walton Lillehel	US
Oral Contraceptive pills	1955	Gregory Pincus, Rock	US
Penicillin	1928	Alexander Fleming	8 nitai
	1757-66	Albrecht Von Haller	Switzerland
Positron Emision Tomography	1978	Louis Sokoloff	USA
Psychoanalysis	1895	Sigmund Freud	Austri
Rabies Vaccine	1860	Louis Pasteur	Franc
	1972-73	Paul Berg, H.W.Boyer, S.Coher	
Reserpine	1949	lal Vakil	Indi
Rh-factor	1940	Karl Landsteiner	USA
	84-1915	Paul Ehrlich	German
Sex hormones	1910	Eugen Steinach	Austri
Sidhayoga	c.750	Vrdukunta	Indi
Small Pox eradicated	1980	W.H.O. Declaration	UV
Stethoscope	1819	Rene Laennec	Franc
Streptomycin	1944	Selman Waksmann	US
Synthetic Antigens	1917	Landsteiner	USA
Terramycin	1950		US/
Thyroxin	1919	Finlay & Others Edward Calvin-Kendall	US
Trichloroethane	1939	Paul Muller	
Typhus Vaccine			German
Use of artificial heart (for surgery)	1909 1963	J. Nicolle	France
Vaccination		Michael de 8akey	US/ Britiar
Vaccine, measles	1796 1963	Edward Jenner	
Vaccine, meningitis		Enders	USA
Vaccine, polio	1987	Gordon, et al. Connaught Lab	
Vaccine, polio- oral	1954 1960	Jonas Salk	US/
Vaccine, rabies		Albert Sabin	
Vaccine, smallpox	1885	Louis Pasteur	France
Virology	1796	Jenner	Britair
Vitamin A	1892	Ivanovski & Bajernick	USSR, Netherland
Vitamin B1	1913	McCollum and M. Davis	USA
Vitamin C	1936	Minot & Murphy	USA
Vitamin D	1919	Froelich Holst	Norway
Vitamins K	1925	McCollum	USA
Mind	1938	Doisy Dam	USA
	-370 BC	Hippocrates	Greece
200	-100 8C	Patanjali	India

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व्यव्यक्ति रहार्थे

Lowest Melting Point Since Mercury melts at -38.8°C (-38°F), it is liquid at room temperature. Mercury is used in thermo-meters because it expands as it is heated.

Highest melting point The temperature must be 3,652°C(6,606°F) before carbon will melt-two-thirds as hot as the sun's surface.

Rarest elements Astatine is the rarest element on Earth; rhodium is the scarcest metal in the world-just 3 tonnes (2.9 tons) are mined every year.

Heaviest metal A 33-cm3 (13-in ³) cube of osmium weights 640 kg (1,411 lb)-equivalent to ten people each weighing 64kg

Acids and Alkalis

The acid or alkali (Or base) content of a substance is measured in pH (potential Hydrogen) on a scale of 0-14. Acids dissolve in water to form sharp-tasting solutions, like lemon juice. Alkalis dissolve in water to form soapy solutions: Substance (pH)-Hydrochloric Acid-(Acid) 0, Car battery acid 1.0, Lemon juice 2.4, Apple 3.0, Vinegar 4.0, Rainwater 5.6, Milk 6.6, Pure water Neutral) 7.0, Human blood 7.4, Sea water 7-8, Baking soda 8.5, Caustic Soda (Alkali) 14.0

Colours of the spectrum

Violet Indigo Blue Green Yellow Orange Red

Formulae

a= length of one side, b= length of base, h=length (perpendicular height), r=radius

Volume: Cube or cuboid h x b x a • Cyfinder p x r² x h • Sphere 4 x p x r³ / 3 • Cone p x r² x h / 3 • Pyramid a x b x h / 3

Area: Circle p x r² • Rectangle b x h •

Parallelogram $b \times h \cdot Triangle 1/2 \times b \times h \cdot Trapezium 1/2 \times (a \times b) \times h \cdot Cube (surface)$

area) $6 \times b \times h$ • Surface of radius r (surface area) $4 \times p \times r^2$ • Cylinder(surf.area) ($2 \times p \times rxh$)+($2 \times p \times r^2$) • Cone(area of curved surf.) $p \times r \times (r^2+h^2)$

Others:Velocity = distance/time • Acceleration=velocity/time • Momentum= mass x velocity • Force= mass x acceleration • Pressure= force/area • Work = force x distance • Moment of Inertia= mass x radius of gyration Modulus of elasticity= stress/strain • Surface tension= force/ length.

Gauge and Bore diametre (mm):

6=23.34;10=19.67;12=18.52;14=17.60; 16=16.81; 20=15.90

Carat: is a measure of fineness for gold equal to 1/24 part of pure gold in a nalloy. 24 = Puregold; 18 = 1/4 alloy. For precious stones, it is equal to 200 mgms or 3.086 grains troy.

Quick Conversion Table

imperial		metric m	ultiply by
Length	inches	cm	2.54
	feet	m	0.3048
	yards	m	0.9144
	statute miles	km	1.6093
	nautical mile	s km	1.852
Area	sq. inches	sq. cm	6.4516
	sq. feet	sq. cm	0.0929
	sq. yards	sq. km	2.5899
	acres	hectares	0.4047
	sq. miles	sq. km	2.5899
Volume		cu cm	16.3871
	cu feet	cu m	0.0283
Welght	ounces (avoin		s 28.3495
	ounces (troy)		31.1035
	pounds	kg	0.4536
	tons (long)	tonnes	1.016
Capacity		ltr	0.5682
	pint US	ltr	0.4732
	gallons UK	ìtr	4.546
	gallons US	ltr	3.7854
	fl. ounces U		0.0284
	fl. ounces US	ltr	0.0296

गुभाद्ध द्वाराष्ट्र

PART 05

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Universe have changed drastically over the ages. At first the Earth was put at the centre of the Universe. Then Earth was found to be just a planet, and thought Sun as the centre. Soon Sun was found to be an ordinary star, which was part of galaxy, and man began to think that galaxy was the Universe. Now scientists believe that there are many galaxies and that clusters of many galaxies make our Universe. Continuing this trend of astronomical upsizing, the latest speculation among astronomers is that maybe the Universe we know is only one of the many - and that there may be many Universes, making a vast Superuniverse.

The Universe was called COSMOS, as opposed to Chaos, when it was first conceived of as an orderly unit, and the studies relating to the Cosmos were known as Cosmogony or Cosmology. Todaywe speak of them as Space Sciences.

Ancient Cosmology

Ancient civilisations: They had different ideas about what the universe was like. But obviously, people started stargazing long before the early civilisations grew up. When they learned how to write and read they started recording what interested them.

Key Dates: 4000 BC Chinese astronomers record eclipse; 2500 BC Great Pyramid constructed; 2000 BC lines of standing stones at Camac and Stonehenge erected at Salisbury by megalithic observers.

The Babylonians established a calendar based on the regular 29 1/2 day cycle of the fase of Moon. Since 3000BC they used zodiac signs similar to what is in use today. The

ancient Egyptians while building the pyramids aligned them to the patterns in the constellation Orion.

The Greek Astronomers: Astronomy grew in leaps and bounds when many astronomers, philosophers, starwatchers started actively participating and making detailed records. Perhaps the greatest Greek astronomer was Hipparchus of 150 BC, who compiled a catalogue of the positions of more than 800 stars besides establishing a magnitude scale to measure star brightness, still in use.

Key Dates: 585 BC Thales predicts ecllipse; 400BC Meton sketches phases of Moon; 200BC Aristarchus proposes Sun-centred universe and Eratosthenes of Cyrene measured the circumfrence of the Earth, close to present calculations; 150BC Hipparchus compiles a star catalogue and Ptolemy writes Almagest.

Aristotle, meanwhile concluded the shape of the Earth was spherical and not flat as commonly believed by masses.

The Arab Astronomers: In c. 820 Almagest got translated to Arabic; c. 142B Ulugh Beigh founds observatory in Samarkand. During those times the famous Arab ruler of Iraq, Caliph Harun Al-Rashid, patronised arts and science.

In Renaissance Europe, the natural scientists and philosophers questioned ancient beliefs, antagonising the church and risking the wrath of the church. However, a moderate Polish priest named Nicholas Copernicus wrote in his book 'De revolution orbium coelestium' that Sun is the centre of the Universe, marking the beginning of modem astronomy. In 1576 Tycho Brahe, a Danish

lawyer, established Uraniborg observatory and made systematic observations with unprecedented accuracy.

The Indian Astronomers: Aryabhatta, Bhaskaracharya, Varahamira, etc.

Outer Space

The difference between space and outer space is that space means the whole Universe including the Earth while outer space means all space other than the Earth. In fact, outer space begins where the earth's atmosphere ends and extends on and on in all directions.

Outer space is vast, Our terrestrial units of

measurement hardly suit its dimensions. So we have evolved new units of measurement like the Light Year and the Astronomical Unit (AU). A Light Year is the distance covered by light in one year in vacuum travelling at a speed of 299,792.5 km per second. The solar system is less than one light-day (the distance light travels in one day) across.

Astronomical Unit represents the mean distance between the Sun and the Earth. Distances within the solar system are measured in AU. Light travels this distance in 8.3

min approx. AU in terrestrial measurements is 149,597,870 km. The distance between the Sun and Pluto, the outermost planet, averages 39 AU. In terms of space dimensions, a Light Year is made up of about 60,000 AUs.

Astronomy

The word is from the Greek astron meaning Star (and nautes meaning sailor). Astronomy is the scientific study of the heavens and all that is therein. It is not to be confused with Astrology-which lacks any kind of scientific basis and encompasses the belief that heavenly bodies affect human lives.

Modem astronomy began with Italian astronomer Galileo. In 1609 Galileo heard of the telescope made by the Dutchman Hans Lippershey. He improved upon it and constructed an instrument that could magnify upto thirty diameters. It was this instrument, a refractor telescope, that heralded the era of optical astronomy. Galileo made several startling discoveries. He found that the moon's surface is rugged, and that Pleiades is a group of over 40 stars. He discovered four of Jupiter's moons and observed the sunspots.

InterPlanetary Wanned Wission

After the International Space Station (ISS) is completed, NASA will take up the challenge of exploration beyond low Earth orbit - to the Moon, to Mars and the Solar syslem. Taking a step further, NASA is expected to test the new Crew Exploration Vehicle (CEV), now rechristened Ares 1, by 2008. NASA will conduct its first manned mission by 2014. Ares 1 will also transport astronauts and scientists to the ISS after the Shuttle fleet is retired.

Ever since Neil Armstrong and Buzz Aldnin became the world's first two human beings to land on the Moon in July 1969, NASA followed it up by sending ten more astronauts to moon. However, for more than three decades now, no human being has visited the Moon. NASA aims to use Ares 1 for returning astronauts to the Moon by 2020 and use the CEV as a stepping stone for sending human beings to Mars and beyond. The goal of this second wave of lunar exploration will be living and working on the moon for increasingly extended periods and to develop new technologies (for example, extraction of Oxygen from the lunar soil), and extract minerals which will reduce costs. An extended human preserve prepare mankind for the though it will take three may to a three-day journey to

In 1668 Newton invented a new instrument, the reflector telescope. In a refractor telescope, light is gathered by a large objective lens. In a reflector telescope a large curved mirror is used for this purpose. Both types of optical telescopes are still in use. The invention of the optical telescope was an epoch making event in the history of astronomy.

Key dates: 1609- Galileo pioneers telescopic observation, Kepler publishes his first laws of planetary motion; 1672 Newton demonstrates his reflecting telescope, 1666 Newton formulates his law of gravitation; 1675 Greenwich Observatory foundedin London: 1687 Newton's "Principia" published; 1781 Herschel discovers Uranus: Charles Messier publishes his catalogue of nebulae and binary stars in 1802; 1838 Friedrich Bessel measures the distance to a star; 1846 Johann Galle discovers Neptune: 1905 Einstein publishes his special theory of relativity and general theory of relativity in 1916; 1925 Hubble discovers galaxies outside our own; 1930 Clyde Tombaugh discovers Pluto.

Radio Astronomy came into being in the most unexpected manner. In 1931, Karl Jansky, a US radio engineer working with Bell Laboratory, noticed a steady stream of radiation coming in from outer space. However, an amateur radio operator in the U.S., Grote Reber, set out by himself to leam more about this extraterrestrial phenomenon. In 1937, he built the world's first radio telescope—a 9.58 m parabolic dish—and set it up in his backyard at Wheaton, Illinois. In 1940 he produced a radio map of the sky, the first of its kind in the world. Thus a new branch of astronomy was bom–Radio Astronomy.

The radio telescope is in many ways analogous to the optical telescope. It consists of a large metal reflector fitted with an antenna. The metal reflector collects and focuses radio energy on to the antenna which can be tuned to any desired frequency. Of all the invisible rays streaming in from outer space, only radio

waves reach us at ground level, through the so-called radio-window. Other rays are blocked by the atmosphere. Radio-astronomers pick up radio waves from outer space with specially designed radio telescopes. The signals are amplified billions of times before fed into the computer which analyse them and display the image as False-colour radio' pictures.'

Radar astronomy was born in 1940, when a Hungarian physicist Zoltan Bay sent out a beam of microwaves to the moon and recorded the echo.

Satellite astronomy: When Explorer-1 was launched in 1958 by US with a special instrument two doughnut shaped regions of intense radiation around the Earth (called Van Allen Belt) were discovered. This was how satellite astronomy started.

The invisible rays given out by stars and galaxies belong to the same family of rays. They are all electromagnetic waves, and form what is called the electromagnetic spectrum. The crucial difference between them is that they have different wavelengths (the waves include X-rays, ultraviolet rays, visible light, infrared rays, microwaves and radio waves).

Now satellites have made it possible to study astral phenomena from two levels—from the ground and from above the atmosphere. This has led to the emergence of many specialised fields in astronomy—X-ray, ultra-violet, gamma ray and infra-red.

The Hubble Revolution: The 11 tonne, Hubble Telescope, built at a cost of US \$ 1.5 billion, Is the most powerful optical tele-

Penetsleno

Ground breaking= new and different; Earth shattering = it's revolutionary; Down to earth = no nonsense, unpretentious; Down and dirty= no frills, basics; Global = overall; all encompassing. ope ever developed and launched in 1990. he New Millennium Probe series are the uccessors to Hubble Telescope.

Jalaxies

Galaxies are huge congregations of stars held together by force of gravity. They are so big that they are also called 'island universes'. Studies of distant spaces with optical and radio telescopes indicate that there may be about 1.3 trillion galaxies in the visible Universe. Galaxies seem to be scattered in space. Galaxies tend to be grouped together into clusters, and some clusters appear to be grouped into superclusters. All the galaxies we look at will display red shift in their spectra, indicating they are moving from from us. Current data suggest that the galaxies are moving apart at the rate of 50-100 kps for every million parsecs of distance.

structural analysis of the known galaxbrings out three major forms-spiral, otical, and irregular. Spiral galaxies have entral nucleus with great spiral arms iling round it. The Milky Way and the idromeda Galaxy belong to this group. A ecial type of spiral galaxies is what are illed barred spirals which have a central ar as a nucleus. The spirals comprise some 0% of the galaxies so far known. Elliptical jalaxies show purely elliptical shape without any spiral arms. They range in shape from spherical ellipticals to extremely saucer-shaped ones and account for about 17 % of the known galaxies. Irregulars, as the name suggests, show no definite geometric pattern or shape.

The Milky Way The Milky Way is our home galaxy. Our galaxy forms part of a group of about 24 galaxies travelling through space together. On a grander scale, this group forms part of bigger cluster of 1000s of galaxies.

Apeculiar feature of this galaxy is a bright band of light that runs almost in a perfect circle through it. Actually it is made up of

TANKED LEEVING

• Refracting (lens) Optical; Yerker (1); servatory - 1m at William: Bay, VII, 155A.
• Reflecting (mirror) Optical; Kerker 16th on Mauna Kea in Hawaii (segmented mirror; 2 equal-size telescopes), • Space Telescope: Hu-bble Telescope - 2,4th, • Fully Steerable Radio Dish: Robert C. Byrd Green Bank Telescope 100m in West Virginia, USA. • Single Radio Dish: Arecibo Observatory- 305m in Puerto Rico.

Radio Interferometer: 10 telescopes of the Very Long Baseline Array, scattered from Hawaii to the Virgin Islands with a resolution equal to a radio dish of 8000 km.

millions of scintillating stars which seen from far away, seems to be placed in close proximity to one another. This river of light is known as the Akash Ganga or Milky Way – the term is now applied to the galaxy as a whole.

The Milky Way is a spiral galaxy. The main body is a disc 100,000 light years across with a globular nucleus of about 16,000 light years in diameter (thick at its centre) and far-stretching spiral arms (in one of which our solar system is located). The Milky Way consists of hundreds of billions of stars rotating about its centre in a stately average period of some 230 million years.

Our galactic nucleus is about 32,000 light years from the Sun. It appears to be a rotating disc of gas. In this rotating disc massive activities are going on. Here, new stars are being born continually. The area is already crowded with full grown stars.

So where is Andromeda? Until recently the Great Nebula in Andromeda, was thought to be part of our Milky Way Galaxy. We now know that Andromeda is an Ex-

as a few hours to as long as 1000 days or more. Generally speaking, the slower the bright-dull-bright cycle, the higher the luminosity.

Quasars are powerful quasi stellar sources of radio radiations.

Pulsars are variable stars which emit reguar pulses of electro-magnetic waves of very short duration.

Black Hole

Strange things happen to a star at the end of its life if its mass is more than 3-times the mass of the Sun. It will collapse, becoming more and more compact. The collapse continues until the star becomes so dense that nothing, not even light, can escape from its gravity. Hence the object is dark and can't be viewed directly. According to General Relativity, bodies of matter curve space. If the body of matter was very dense (tons of matter packed into a small space), it convulses space into an infinitely deep chasm, called a black hole. John Wheeler, a US physicist, first used the term 'black hole' for a completely collapsed star at a meeting at the Institute for Space, NY, in 1967.

Size of the Universe

No one knows whether the Universe is . finite or infinite in size. Albert Einstein described the Universe as 'finite but unbound,' meaning that the frontiers cannot be observed even though they are definitely there

Age of the Universe

Cosmology, the science of the large scale structure of the Universe, came of age in the 20th century when Einstein produced in 1915 the general theory of relativity which had sufficient maturity to construct mathematical models of the Universe. The answers to questions about the age of the Universe in the 1930s and '40s was based on Edwin Hubble's

जिल्लाहर भीदवाविशाहर

1960: R-16- Soviet 2-stage rocket exploded in Tyuratan on the launch pad, killing the chief and ground staff;

1966: Gemini 8 - got out of control after docking with orbiting spacecraft Agena, but managed to return alive;

1967: Apollo 1-Three astronauts undergoing training in the command module were killed following a huge fire and asphyxiation. Soyuz 1- Cosmonaut Vladamir Komarov while exiting his failed space mission crashed on to the ground at high speed after both the parachutes failed to open;

1969: Soyuz 5- While preparing for earth re-entry the equipment module not only failed but blocked the heat shield making it out of control. Though it was a near-fatal landing, Cosmonaut Volynov ejected out of the module;

1970: Apollo 13 suffered an oxygen tank explosion losing its main power supply while on moon mission. The crew was rescued using the lunar lander;

1971: Soyuz 11-Three Cosmonauts died while trying to separate the reentry capsule and the spacecraft through an explosion which resulted in leakage of oxygen chamber;

1980: A Vostok rocket exploded on the launch pad while refueling, killing 50 at Plesetsk Space Centre, Russia;

1986: Space Shuttle Challenger: six astronauts including a high school teacher died in a fueltank explosion; 2003: Columi

broke up on remembers includ.

Huddle's successor

The James Webb Space Telescope (JWST) is the crown jewel of NASA's space-science program for the next decade. Its mission is to uncloak the invisible structures of the early universe. With a gold-coated primary mirror that is seven times larger than Hubble's, besides instruments sensitive to infrared radiation, JWST is intended to answer questions raised by Hubble's galaxy-stuffed deepfield sky surveys. It will peer at what lies beyond.

The telescope's most impressive feature is sheer size. At the observatory's

own measurements of his constant. The cur-

base is a five-layer Sun and micrometeorite shield that is as large as a tennis court. Perched above, panels fit together like flower petals to render the telescope's 6.5 meter prime mirror. No launch vehicle is big enough to carry the telescope as it is, so it's designed to unfold in orbit, as in origami.

The JWST was displayed in Orlando, Florida, where the International Society of Optical Engineering wrapped up its biannual conference in 2006. The project cost is \$4.5 billion and is scheduled for launch in 2013.

rent estimate of the age of the Universe is about 13 billion years. The 60 odd- years following Hubble's original findings have seen numerous revisions of the constant. It was in the midst of this chaos that the Hubble space telescope was launched in 1990, rightly chose as its key project – the measurement of the Hubble constant. The space telescope has

a decided edge over ground-based telescope in imaging and resolution of very faint objects.

The Hubble's constant as measured by the space telescope was on the high side implying a rather young Universe – also depending on what theoretical mode is accepted. Scientists say the Universe could be just 8 billion years old if the Hubble constant is precisely 80.

شفئتارك عطالك فالتأ

consists of a star called the Sun and all the objects that travel around it. The Solar System includes: • 8 planets (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune) and 4 Dwarf planets - Pluto, Charon, Eris, Ceres - along with the numerous satellites that travel around most of them • planet-like objects called asteroids (hundreds of asteroids) • chunks of iron and stone

called meteoroids • bodies of dust and foreign gases called comets (thousands of comets); and • drifting particles called interplanetary dust and electrically charged gas called plasma that together make up the interplanetary medium.

Interplanetary Space The whole solar system by volume appears to be an empty void. This vacuum of "space" comprises the interplanetary medium. It includes various forms

nents: interplanetary dust and interplanetary gas. Interplanetary dust consists of microcopic solid particles. Interplanetary gas is a enuous flow of gas and charged particles, nostly protons and electrons-plasma-which tream from the Sun, called the solar wind. he solar wind can be measured by spaceraft, and it has a large effect on comet tails. It also has a measurable effect on the motion ol spacecraft, communication systems on Earth, electrical transmission, etc. The speed of the solar wind is about 400 kilometres per second in the vicinity of Earths' orbit. The point at which the solar wind meets the interstellar medium, which is the "solar" wind from other stars, is called the heliopause-is an imaginary boundary theorised to be roughly circular or teardrop-shaped, where the Sun's influence cease, at perhaps 100 AU from the Sun. The space within the boundary of the heliopause, containing the Sun and Solar System, is referred to as the heliosphere. The solar magnetic field extends outward into interplanetary space; it can be measured on Earth and by spacecraft. The solar magnetic field is the dominating magnetic field throughout the interplanetary regions of the solar system, except in the immediate environment of planets which have their own magnetic fields.

Kuiper Belt

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The Kuiper Belt is a disk-shaped region past the orbit of Neptune roughly 30 to 100 AU from the Sun containing many small icy bodies. It is named after Gerard Kuiper, who proposed its existence in 1951. This huge spherical cloud is now called the Oort Cloud, after Jan Oort, because of billions of comets orbiting the Sun much beyond the outermost planet. The Oort Cloud may account for a significant fraction of the mass of the solar system.

Kuiper Belt objects & the Oort Cloud Jan Oort's orbital calculations done in 1950

CHILLIFE WHILE

till again gain	Daus I
Distance from the Farth"	149,8 million km
Absolute Visual Magnitude	1./1
Diameter	1,384,000 km
Core Temperature	15 000 000 K
Photosphere Temperature	5770 K
Rotation as seen from the Ea	rth
(at the Equator)	25.38 days
(near the poles)	33 days
Chemical Composition	
Hydrogen	71%
Helium	26.5%
Other Elements	2.5%
Age 4.5 t	oillion years aprox.
Expected lifetime of a normal	al star10 billion years
aprox.	•
Mass	330,000x Earth's
mass	

[&]quot;The mean distance from the Earth to the Sun (150 million km) translated into flying hours means that a jet aircraft capable of 1000 km/hr would need more than 17 years of non-stop flying to reach the Sun:

showed that a huge spherical "cloud" (now called the Oort Cloud) of perhaps a trillion or more comets orbit the Sun far beyond the orbit of Pluto from about 30,000 AU to a light-year or more. This is the source of the Iona-period comets. It is now considered to be source of the short-period comets of less than 200 years. Occasionally the orbit of a Kuiper Belt object will be disturbed by the interactions of the giant planets in such a way as to cause it to cross the orbit of Neptune. There are presently few known objects orbiting between Jupiter and Neptune. The IAU has designated this class of objects as Centaurs. These orbits are not stable and their destiny is not known. Those that didn't escape entirely formed the distant Oort Cloud. Small objects formed farther out had no such interactions and remained as the Kuiper Belt. Several Kuiper Belt objects have been discovered recently. They appear to be small icy bodies. It is estimated that there are at least 35,000 Kuiper Belt objects greater than 100

km in diameter, which is several hundred times the number (and mass) of similar sized objects in the main asteroid belt.

Origin

The Solar System originated in a primitive solar nebula—a rotating disc of gas and dust. It is from this rotating disc that the planets and the rest of the Solar System evolved. The Solar System is also tucked away in a corner of the Milky Way at a distance of about 30,000 to 33,000 light years from the centre of the galaxy.

The Sun contains 99.85% of all the matter in the Solar System. The planets which condensed out of the same disk of material that formed the Sun, contains only 0.135% of the mass of the Solar System.

Jupiter contains more than twice the matter of all the other planets combined. Satellites of the planets, comets, asteroids, meteoroids, and the interplanetary medium constitute the remaining 0.015%.

[5un- 99.85%; Planets- 0.135%; Comets - 0.01%; Satellites- 0.00005%; Meteoroids- 0.000001%; Interplanetary medium- 0.0000001%i

The Sun

The Sun is one of more than 100 billion stars in the giant spiral galaxy called the Milky Way. The Sun is the centre of the Solar System. Its mass is about 740 times as much as that of all the planets combined. The huge mass of the Sun creates the gravitation that keeps the other objects travelling around it in an orderly manner.

The Sun continuously gives off energy In several forms-visible light; invisible infrared, ultra-violet, X-rays and gamma rays, cosmic

Drotes on the ISS.

Tiny satellites are a hot new Idea In space exploration. Instead of launching one big, heavy satellite to do a job, why not launch many little ones? Droids can orbit Earth In tandem, each doing their own small part of the overall mission. If a solar flare zaps one satellite:no problem! The rest can close ranks and carry on. Launch costs are reduced, too, because tiny satellites can be packed alongside larger payloads, getting to space almost free of charge. Of course, there is a problem: flying in formation is trickler than it sounds and getting a group of orbiting satellites to do a formation is extremely hard.

NASA has already sent one of the three droids to the ISS. The initial challenge was to design a small, roughly spherical robot that could float aboard the ISS and manoeuvre using compressed CO₂ thrusters. The project, called SPHERES

(Synchronised Position Hold Engage Reorient Experimental Satellite), serves as a test bed for trying out experimental software to control clusters of satellites.

The first SPHERE arrived on the ISS In April 2006 tucked inside a Progress supply rocket. Eventually two more SPHERES, differentiated by colour, would go on the future shuttle missions. "Red" is already busy. Scientists have commanded it to do a variety of manoeuvres—loops and tums. Astronauts tried to trick Red by causing one of its thrusters to stick "on." The robot diagnosed the fault, turned the thruster off, and returned to station-keeping.

In the future, NASA may use the technique to assemble a moon-ship piece by piece in Earth orbit. The software designed to control small satellites could just as well be used to manoeuvre the pieces of a spaceship together.

rays, radio waves and plasma. The Sun and the neighbouring stars generally move in almost circular orbits around the galactic centre at an average speed of about 250 km per second.

The Sun, at this rate, takes 250 million years to complete one revolution round the centre. This period is now called a *cosmic year*.

Like all other stars, the Sun is composed mainly of hydrogen. Its energy is generated by nuclear fusion in its intenor. It is calculated that the Sunconsumes about a trillion pounds of hydrogen every second. At this rate, it is expected to burn out its stock of hydrogen in about 5 billion years and turn into a red giant. The prospect is frightening.

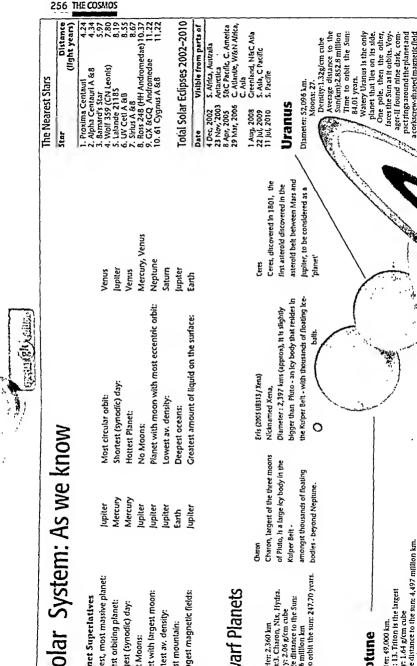
When the Sun turns into a red giant, it will have swelled a hundred times in diameter and increased a thousand times in brightness-bright red. It will then occupy about 25% of the horizon. The nearest planets, Mercury and Venus, will melt. The oceans of the Earth will evaporate and disappear. The Earth will remain a barren rock, heated to the melting point of lead. All life on Earth will cease. The Sun will survive as a red giant, for about a hundred million years more, slowly dissipating it enlarged outer shell leaving a tiny core. This core will be a faint, white dwarf, no larger than the present planet Mars. Around this tiny star, the burnt-out Earth will continue to revolve.

The glowing surface of the Sun, which we see, is called Photosphere. Above the photosphere is the Chromosphere, so called because of its reddish colour. Beyond this layer is the magnificent Corona of the Sun which is visible during eclipses. The temperature of the photosphere is about 6000°C., that of the chromosphere about 32 400°C., that of the transition region about 324 000°C., and that of the corona, which extends far into space, about 2,700,000°C, hot enough the seemit X.

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nuclear reactions take access to temperature is around 15 million begreen in Temperature and the core is estimated accommons on the core is estimated accommons on the core is estimated and numbers on the core. Here, turbulent motions on gase accommons the photosphere. They waite white ignorate corona is made up of a common orange and red. Superformed the upper temperature and the photosphere is a common to the present of the coronal is made up of a common to the present of the common temperature and the coronal interests of the common temperature and the coronal interests of the common temperature and the coronal interests and which is the line to the coronal interests and which is the line the coronal interests and which is the line to the coronal interests and

The Sun's conservations its substance are included of hydrogen are then seen at the seen are then seen at the seen



a corkscrew-shaped magnetic field that stretches millions of kms. It is one of the coldest With an average

nser & little smaller than Uranus. Neptune's atmosphere appear blue, with quickly changing white icy

orbit the sun:164 80 years.

Average distance to the sun; 1,417.6 million km Density: 0.69 g/cm cube

Diameter, 119,296 km.

the celebrated rings of the golden giant Saturn are composed just 200m thick and 270, 000 km in diameter. The moon Titan Second largest planet of the Solar System. Voyager 1 found tha of thousands of rippling, spiralling bands of Icy rock and dust. has a nitrogen atmosphere and hydrocarbons – the necessities Time to the orbit the sun; 29,46 years. of life - but no signs of Titanites.

Annual Maior Meteor Showers

Name	Dates of Hourly rate maximum	rly rate
Quadrantids	3-4 Jan	100
Lyrids	21-22 Apr	10
Eta Aquarids	5-6 May	35
Delta Aquarids	28-29 Jul	20
Perseids	12-13 Aug	75
Orionids	22 Oct	25
Taurids	4 Nov	10
Leonids	17-18 Nov	0
Geminids	13-14 Dec	2

asteroids orbiting the Sun,

Mercury

Average distance to the sun: 57.6 million km. Density: 5.43 g/cm cube Diameter: 4,849.6 km, Moons: none,

Tiny Mercury, slightly larger than Earth's moon, races along its elliptical orbit at 176,000 km per hour - a speed that keeps it from being drawn into the sun's gravity field. The cratered planet has no atmosphere; days are scorching hot and nights, frigid, it hasthe greatest temperature extremes, ranging from -200°c to 430°c. It's gravity is very weak (compared to Earth) Time to orbit the sun: 87,97 days.

Dwarf planets: 4. Pluto, Charon,

Density: 1.41 q/cm cube

Eris, Ceres Planets: 8

Diameter: 1,384,000 km.

Age: 4.5 billion years.

the gaseous sun may reach a temperature of 15.4°c million degrees A rather ordinary, middle-age star

celsius at its core,

Venus

Density:5.24 g/cm cube Average distance to the sun; 107,52 million km, Diameter:12,032 km. ime to orbit the sun; Moons: none,

224.70 days.

he only planet in the solar system to support life, Surface Area (510,066,000 sq km) Estimated Age 4.5 billion years Estimated Weight (mass)

Asteroids A recent estimate is that there may be well over 40,000

ted dusty rings, three new moons showed it is an enormous eddy in the turbulent cloud cover. They also spot-

and volcanoes on the Moon, lo,

two Pioneer space probes photographed the Great Red Spot on the solar system's argest planet. Voyagers 1 and 2 later

Time to orbit the sun;11 86 years.

million km.

Average distance to the sun: 772.8

Density: 1.33 g/cm cube

Ganymede, Callisto, 10, Europa)

Moons:60. (4 large ones-O . • Dlameter: 141,968 km

Average distance to the Sun: 225.6 Time to orbit the sun: 687 days. Moons: 2, Phobos, Deímos Density: 3.93 q/cm cube Diameter: 6,755.2 km, million km.

The Viking probes or path finders falled to find any sign of ife. Beneath its thin atmosthere, Mars Is barren, covered with pink soil and boulders.

Long ago it was more active;

the surface is marked with dormant volcances and deep chasms where water once freely flowed

Earth

Average distance to the sun;149,8 million km Time to orbit the sun; 365,30 days. Density: 5,52 g/cm cube. Dlameter: 12,739.2 km, Moons: 1.

(5,940,000,000,000,000,000,000 metric tons)

disappear. Gases often shoot up violently from the surface. Solar activity has been observed to follow

a 11-year cycle. Owing to the Sun's rotation,

the solar wind travels in spirals and carries.

with it magnetic fields. The Earth's magnetic field—the magnetosphere—acts as a shield

against the ever-blowing solar wind and deflects it away from the Earth. Nevertheless, particles of solar wind sometimes pierce the magnetic shield and enter the upper atmosphere, where, like the solar flares, they cause

auroral displays. The solar wind distorts the shape of the magnetosphere. The magnetosphere ex-

tends to a distance of 64,000 km above the Earth—10 times the radius of the Earth. On the part of the Earth exposed to the Sun (the sunlit side), the solar wind sweeps along the magnetosphere past the Earth. On the other

side of the Earth (the night side), the solar wind converges again and compresses the magnetic field into a plume or tail, more or less like what it does to comets. The tail thus formed extends to over 6 million km on the

night side of the Earth. Sunspots are dark patches noticed on the surface of the Sun. They appear dark because they are cooler (around 1500°C) than the surface of the Sun which has a temperature of

sured (April, 1974) covered 18,130 million sq kms or approximately 0.7 % of the Sun's visible surface. The life periods of these spots also vary. They may last from a few hours to many weeks. Polar Auroras are two auroras, the Au-

about 6000°C. The largest spot ever mea-

rora Borealis or Northern Lights and the Aurora Australis or Southern Lights. These are lights that sweep across the sky in waves or streamers or folds. They are very often multi-

coloured and provide one of the finest spec-

tacles in nature. They occur in the Arctic and the Antarctic regions respectively. But the Lights as far north as Australia. The magnetosphere is the earth's mag-

netic shield. It was at first called the Van Allen Belts after the American physicist, James Van Allen who discovered them in 1959, Van Allen, in analysing the data from the earlier Explorer and Pioneer rockets found two belts of high intensity radiation in the upper atmosphere. Pioneer 12 later showed that these belts were a part of a large band of radiation

called the magnetosphere. It extended far

out to about 64,000 kilometres from the

New Orleans in America and the Southern

The Planets

Earth's surface.

The planets are large celestial bodies in orbit around a star, composed of rock, metals and gases. In the Solar System, the inner planets are Mercury, Venus, Earth and Mars. The Earth is the largest of the inner planets and the densest of all planets. All the inner four planets are dense rocky bodies and are collectively called terrestrial planets (Earth-

and rock.

The outer planets, Jupiter, Saturn, Uranus and Neptune are very big (sometimes called giant planets), with large satellite families. They are composed mostly of hydrogen, helium, ammonia and methane. These planets are called Jovian, after Jove, the Greek name for Jupiter, because they resemble Jupiter in

like). They appear to chiefly consist of iron

ter and Satum send out radiation. Jupiter's radio waves are so strong that they can be picked up on Earth by radio telescopes. All of them rotate furiously, have dense atmospheres

many aspects. The two largest planets, Jupi-

and consist of far lighter elements (contain little iron and rock) than the terrestrial inner planets. The outermost planet Pluto is in a class by itself. It is supposed to be a dense planet like the inner planets, although it is the farthest of the outer planets. . the minnets



sible for the tides on earth. The Moon, being nearer to the Earth than the Sun, exerts a greater influence on the tides. It takes only 1.3 seconds for moonlight to reach the Earth, whereas sunlight takes as much as 8 minutes

16.6 seconds to reach us. This being so, the ratio of lunar and solar power for tide-raising is 11 to 5.

The oldest rocks and soil samples from the Moon are about the same age as the Earth (about 4,600 million years old). The rocks

from the maria turned out to be basaltic lava. similar to volcanic rocks found on the Earth. A surprising finding was, while terrestrial igneous rocks contained only about 1% of titanium, the lunar rocks showed 10 times as

much. A few minerals unknown on Earth were found in the mare (dark areas on the

Moon basalts. Among these is Armalcolite, a

new name derived from the names of the

astronauts-Armstrong, Aldrin and Collins and the name of the area Tranquillititis. The lunar rocks were bone-dry, with no trace of water in any form and no trace of any organic matter. So also, volatile elements (elements with low boiling points) like Sodium,

Potassium, Chlorine, Germanium, Lead and

Mercury were practically non-existent. The

depletion of Sodium and Potassium is signifi-

cant, because these two are among the most

abundant elements found in terrestrial rocks Comets Comets probably derive their name from

their tail, as in Latin 'comets' means "longhaired." Comets may originate in a huge cloud called the Oort Cloud that is supposed

to surround Solar System. Extremely bright comets such as Hale-Bopp are rare. Not all comets have tails. The tail takes shape only when the comet gets close to the Sun. When

first viewed through a telescope the bright head of a comet, called Coma, looks like a hazy dot. Sometimes a coma contains a star-

like point called a Nucleus. The nucleus of a

vapourises the frozen-crystalised gases. These gases stream out and form a spectacular, glowing tail behind the comet's head. As the comet approaches the Sun the solar wind, which consists of high-speed atomic nuclei, protons, and electrons, sweeps cometary gases away from the Sun, producing a straight tail of up to 150 m kms in length. At maximum size the tail may be 250m km in length. The tail attains maximum length and brightness soon after the comet has passed its perihelion. Some comets may become so bright as to be visible even in daylight. Comet tails always point away from the Sun because of the force exerted by solar wind and radiation on the cometary material. If the supply of gases from the nucleus changes, a comet can

brighten or fade unexpectedly, making it

difficult for astronomers to predict how bright

a comet will become. (When the comet ap-

proaches the Sun the tail follows the head and

when it recedes, the tail precedes the head.)

Sometimes a second tail consisting of dust

comet is extremely small. Solar energy warms

sunward and

comet's head as it moves

particles may also appear. This dust tail is shorter and more curved than the gas tail. Some comets have been observed to develop as many as nine tails. Planet Names The planets were named after the Roman

gods: Mercury god of commerce, eloquence, skill Venus goddess of spring, bloom, beauty

god of war Mars ruler of gods and all men Jupiter Satum god of agriculture Uranus god of heavens Neptune god of the sea Pluto god of the under

world and death

Manneama Vearbook 2007

निवादक क्रिकाम्बर्धान्य पुरस्ता विश्व

n August 24 2006, about 2,500 scien tists at The International Astronomical Union's (IAU) meeting in Prague adopted historic new guidelines that demoted. Pluto - the smallest, and most distant planet, to a secondary category.

The status of Pluto discovered in 1930 by the American Clyde Tombaugh, has been contested for many years.

In the Czech capital, astronomers waved yellow ballot papers in the air, in the IAU vote - and in the process took the historic decision to relegate Pluto.

The need for a strict definition was deemed necessary after new telescope technologies began to reveal far-off objects that rivalled Pluto in size. Without a new nomenclature, these discoveries raised the prospect that textbooks could soon be talking about 50 or

more planets in the Solar System.

The scientists agreed that for a celestial body to qualify as a planet, it ...

- must be in orbit around the Sun
- must be large enough that it takes on a nearly round shape
- has cleared its orbit of other objects because its highly elliptical orbit overlaps that of Neptune
- has to dominate its orbit around the Sun in the same way as the other planets.
 Pluto will now on be referred to as a

"dwarf planet". The critical blow for Pluto came with the discovery three years ago of an object currently designated 2003 UB313. Hubble Space Telescope measured 2003 UB313, also called Xena, in diameter slightly bigger than Pluto: 2390 kms and 2360km respectively. 2003 UB313 now joins Pluto

in the dwarf category, along with Pluto' major moon, Charon, and the bigges asteroid in the Solar System, Ceres.

The Other Definitions:

Dwarf planet: A planet smaller that Mercury (diameter: 4879 kilometres), which is the smallest uncontested planet. It would include the former asteroid Ceres, Pluto Charon and Xena.

Pluton: A planet orbiting beyond Neptune taking more than 200 earth years to circle the Sun. So far, it would include Pluto Pluto's former moon, Charon; and "Xena" (2003 UB313).

Satellite: Anything orbiting a planet, a long as the mutual centre of gravity does no fall outside the planet. It includes severa bodies much larger than many planets, suc as Jupiter's moon Ganymede (diameter: 526

Small solar system body: Anything orbiting the Sun that's not a planet or a satellite Most asteroids and comets would be SSSB: Currently they are called minor planets.

Unofficial categories of planet:

Glant planets: Jupiter, Saturn, Uranus an Neptune.

Classical planets: The four giant planet plus the familiar four rocky, terrestrial planet: Mercury, Venus, Earth and Mars.

Dwarf Planets

kilometres).

Pluto : TNO

Charon : TNO 2003 UB 313 (Xena) : TNO

Ceres : Ateroid

*TNO - Trans Neptune Objects in the Kupler Belt

Managema Vasidoni 200

ide is called Tropic of Capricon. There are two times in a year when the Sun

furthest North or South of equator: summer olstice, ie, 21 June with longer day time in N. emisphere or winter solstice,ie, about 22

ecember with longer night time in the N. emisphere. Similarly there are two times in ear, either around 21 June (spring/vema) quinox) and 22 September (vernal equi-

ox), when the Sun crosses the equator and e have day and night of equal length or uration. Imaginary lines that run north and south

round the globe, from one pole to the other, re called meridians/longitudes. They inform s the degree of longitude, or how far east or est a place is from an imaginary line called ne Greenwich meridian or prime meridian (0 legree). 180 degree is called the Internaional Date Line crossing which a date changes.

nside Earth

he Earth is derived from studies of earthquakes. The shock waves sent out by an earthquake indicate the physical nature of the rejions through which they pass. These studies how that the centre of the Earth is a solid ore-the Inner Core. The density of this core is bout 13 g to the cubic centimetre. The Inner Core is about 1370 km thick and is surrounded by an Outer Core of around 2,080 km. The Outer Core appears to be molten.

Our knowledge of the internal structure of

which has a thickness of around 2900 km. The Mantle is topped by the crust of the Earth, vhich varies widely in thickness—from 12 to 30 km. At the centre or the Inner Core, that is it a depth of some 6,370 km, temperature oes up to some 4,000°C and pressure reaches nearly 4 million atmospheres.

The Outer Core is surrounded by the Mantle

The mantle is important in many ways. It ccounts for nearly half the radius of the Earth 2 900 km), 83% of its volume and 67% of its powered by the mantle. Starting at an average depth of from 45 to

mine the movements of the crust plates are

56 km below the top surface of the Earth, the mantle continues to a depth of 2,900 km where it joins the outer core. The mantle is a shell of red hot rock and separates the Earth's metallic and partly melted core (both the inner and the outer cores) from the cooler rocks of the Earth's crust. It is composed of silicate minerals rich in

magnesium and iron. The density of the mantle increases with depth from about 3.5 grams per cubic centimetre to around 5.5 grams, near the outer core.

The upper portion of the mantle, about 250 km thick, is called the Asthenosphere. Here the rocks are partially melted, with thin films of liquid distributed between the mineral grains. The red hot nature of the lower mantle and the partially melted nature of the upper mantle (asthenosphere) combine to make the whole mantle plastic or yielding. It is on this plastic base that the top crust of the Earth (of oceans and continents) that is to say, the lithosphere, rests. The lithosphere is distinguished from the asthenosphere by the

The top layer of the lithosphere virtually floats on the asthenosphere. Like other floating bodies the crust seeks an equilibrium riding deeper where it is heavier and rising higher where it is lighter. The mountains on the crust have deep roots of light material to support them and when the load on any part of the crust changes, the surface responds by rising or sinking to restore the equilibrium.

fact that it is cooler and therefore, more rigid.

The outer surface of the Earth is divided into 4 spheres:

Lithosphere means the entire top crust of the Earth and includes not only the land surface but also the ocean floor.

Hydrosphere is the water surface which includes the oceans, lakes and rivers.

Atmosphere is the blanket of air that envelops the Earth. It covers both the land surface and the water surface.

Biosphere is the sphere of life which spreads over all the three other spheres.

Seasons

The earth's axis is inclined at an angle of 66.5° to the plane of its orbit. As a result of this, the earth is in different positions while revolving around the sun. During the first half of the year the northern hemisphere tilts towards the sun resulting in the season of summer in the region. During the second half of the year the southern hemisphere tilts towards the sun, and thus experiences summer and the northern hemisphere experiences winter during this period.

The revolution causes the four seasons

(a) Spring When the sun is directly overhead the equator (b) Summer When the sun is directly over the tropic of Cancer—the North Temperate Zone experiences summer. (c) Autumn When the sun returns to the equator, the North Temperate Zone experiences the season of autumn. (d) Winter The sun is at the tropic of Capricorn and the north temperate zone experiences winter.

Equinoxes are dates when the nights and days are equal. During these days the sun shines directly over the equator. March 21 is called vernal equinox and September 23 is called autumnal equinox.

Solstice The time of the year when the difference between the length of days and nights is the largest is referred to as solstice.

On or around June 21, the North Pole tilts towards the sun and the sun shines directly over the tropic of Cancer which is called summer solstice. On or around December 22, the earth is at the opposite end of its orbit, as a result, the South Pole tilts towards the sun and the North Pole away from it. This is called winter solstice.

Edipses When the light of the sun or the

moon is obscured by another body the sun or moon is said to be in eclipse.

Lunar Eclipse When the earth comes between the moon and the sun, the shadow cast by the earth on the moon results in a lunar eclipse. Lunar eclipse occurs only on a full moon day but not on every full moon day.

Solar Eclipse When the moon comes between the sun and the earth, it causes obstruction of the sun's light when viewed from the earth and is called solar eclipse. A solar eclipse occurs on a new moon day when the moon is in line with the sun. However, solar eclipse does not occur on every new moon day.

Midnight Sun: In the Arctic and Antarctic region around mid-summer when the sun sets, the sun does not go below the horizon throughout the 24 hours. The sun may be seen at midnight too. This is due to the inclination of earth's axis to the plane of orbit. Norway is called the land of midnight sun, seen between May and July. In the Southern hemisphere, the phenomenon is seen in Antarctica.

Lithosphere

The lithosphere is the top crust of the Earth on which our continents and ocean basins rest. It is thickest in the continental regions where it has an average thickness of 40 km and thinnest in the oceans where it may have a maximum thickness of 10 to 12 km.

Mohorovic Discontinuity: An imaginary line that separates Mantle and Crust.

Gutenberg-Wiechert Discontinuity: A separation between the Mantle and the Core,

It constitutes about 1% of the Earth's volume and 0.4% of its mass. Though the lithosphere technically includes both the land mass and the ocean floor it is often used to indicate only the land surface. Regarded thus, the lithosphere forms only 3/10 of the total surface of the Earth. The rest 7/10 is taken up by the oceans.

As we see it today, the topinosi portion of the land surface is sand and soli except where

of the soil that we see have derived from ancient rocks.

The contours of the landscape are largely conditioned by the rocky substructure of the

lithosphere. Geologically speaking, all materials that make up the crust of the Earth are rocks, whether they are big granite boulders, combustible coal, soft clay or loose fragments of gravel or sand. Rocks which form the subst

rocky outcrops show. All the sand and much

of gravel or sand. Rocks which form the substructure of the lithosphere may be broadly grouped into three classes: (i) Igneous rocks (ii) Sedimentary rocks and (iii) Metamorphic rocks.

We know that the face of the Earth, that is, its visible surface has undergone radical

and contraction of the Earth, through thousands of years. This explanation seemed quite unsatisfactory to a German scientist, Alfred Wegener (1880-1930).

In 1915, Wegener published a book The Origin of Continents and Oceans in which he

advanced the theory of Continental Drift. He

changes in the past. Geologists explain these

changes as the consequence of the cooling

theorised that the changes on the Earth surface were mainly due to the shifting of continents.

Continental Drift*

The theory of Continental Drift assumes that the continents ploughthrough the oceans

like massive ships.

A. 350 million years ago During the early carboniferous period large continental masses, Laurasia in the north, and Gondwanaland in the south, began drifting towards each other. Britain and much of western Europe lay in

equatorial latitudes.

B. 200 million years ago In the late carboniferous period Laurasia and Gondwanaland collided, creating the super-continent

Pangaea, (and a great ocean called Panthalassa) which remained largely intact until late Triassic times. A large gulf called Tethys opened up in the regions we now recognise as the Mediteranean and the Alpine–Himalayan mountain belts.

C. 50 million years ago During the Eocene

C. 50 million years ago During the Eocene period the fragmentation of Pangaea was well advanced and continents and oceans began to look as they do today. The Atlantic Ocean widened, the Tethys Ocean narrowed, while the Indian continents isolated and exposed to a northerly drift, was later to collide with the north Asia.

of much of the Earth's continental masses continues. Changes since Eocene period include the continued growth of the Atlantic Ocean, the collision of the Indian continent with both Asian mass and the separation of Antarctica and Australia.

E. 50 million years ahead Scientists predict still further widening of the Atlantic Ocean with continued spreading of the Red Sea and

an accompanying closure of the Persian Gulf. It seems likely that a new ocean could evolve in the East African rift system and that East Africa and Australia will drift to the position north of the Equator with Antarctica positioned more or less in South-pole.

Plate Tectonics

Plate Tectonics tells us that it is not only the continents that are in motion, but the oceans as well. This is so, because the top crust of the Earth is not a complete single shell of granite and basalt, but a mosaic of several rigid segments, called plates. The theory of plate tectonics explains how the Earth's crust is moving in vast, rigid sections (plates) and is a modern revolution in our understanding of

D. Present Day The northward movement

modem revolution in our understanding of the planet. These plates include not only the Earth's solid upper crust, but also parts of the denser mantle below called *Asthenosphere*, and carry the continents and oceans on their

The concept of Continental Drift was first described by the German geophysicist Alfred Wegener in 1910 and later reinvigorated as the Theory of Plate Tectonics inearly 1960's.



Solution holes: Rainwater dissolves limestones and numerous solution formed. Smaller holes are called the sink holes. Coalescence of neighbouring sink holes

into larger hole is called the swallow hole. Further erosion leads to formation of extensive depression called dolines. Extensive dolines is called uvala. Most extensive depressions are called poljes. The disappearance of

surface streams through a solution hole is

called Blind Valley. Mesa and Butte: A flat table land with resistant horizontal top and very steep sides. Erosion of Mesas over the years may result in

Siefs: Long narrow ridges of sand lying parallel to the direction of the prevailing winds.

isolated flat-top hills called Buttes.

Playa: A temporary lake formed at the desert basin. Zeugen: In areas which have parallel layers

of both hard and soft rocks. After the lower solt portion gets eroded the resistant hard upper rock looks like a table, viz. zeugen.

Deserts

Desert is a part of Earth's surface that is too dry to support plant or animal life and is usually sparsely inhabited or uninhabited by man. Deserts are classified under three categories:

Sub-Tropical (Hot) e.g. Sahara, Arabian (Saudi Arabia, Kuwait, Qatar, UAE, Oman, Yemen), Kalahari (Botswana, S. Africa, Namibia), Australian (Gibson, Gt. Sandy, Gt. Victoria, Simpson and Sturt Stony), Mojave and Sonoran (US-Mexico), Chihuahuan

(Mexico, SWUS), and Thar (India-Pak) deserts.

Here temperature rises as high as 58°C. Mid-latitude (Temperate) e.g. Gobi (China-Mongolia), Great Basin and Colorado Plateau (US), Pategonian (Argentina), Atacama (Chile), Namib (Namibia), Kara-Kumand Kyzl-Kum (Uzbek-Turkestan) deserts, Iranian, Taklamakan (China).

High-latitude (Polar/Cold) e.g. Antarctic and Arctic. Here temperature falls as low as 88°C and below in polar deserts. They receiv

Grasslands

support green forests, but not dry enough to b a desert. Most commonly grasses grow here Some grasslands: the Great Plains/ Prairies (US Canada); Steppes (Europe- Asia); Pampas (A gentina), Savannas (Cent. & S. Africa), Carr pos, Catingas, Lanos, Selvas, Gran Chaco (Bra zil); Velds (S.Africa); Downs (Australia).

Islands Islands take a large mass of land, th

the continent of Europe. The smaller island count by the thousands, Islands are broadly divided into four types, continental, oceanic tectonic and coral. Continental Islands are those islands that rise from the continental shelf, like the Britis

biggest 16 of them accounting for as much a

56 million sq. kms-greater than the area of

Isles or Newfoundland. These islands hav the same geological structure as the cont nents to which they are related. Oceanic Islands are those that rise from the bosom of the oceans. Their geological

structure will have no relation to that of th

nearest shores. They are very often the tops of

submarine mountains or submarine volca

noes. Ascension and Tristan-da-Cunha, for example, rise from the Central Atlantic ridg (mountain) while St. Helena and Teneriffe ar islands formed by submarine volcanoes.

Tectonic Islands are created by move ments in the Earth's crust. The outermos layer of the Earth made of rigid plates are i

very slow, but constant, motion. When on

plate is pushed under another plate, the to

plate may scrape off pieces of the bottor

plate. Over millions of years, this materia

piles up to form an island. Barbados in th

less than 250 mm rainfall annually. Grasslands are areas that are too dry t West Indies and Kodiak Island near Alaska were formed this way.

Coral Islands are the work of minute sea organisms called coral polyps. They congregate in large colonies. When the organisms die, their skeletons, which are made of a substance resembling limestone, form big clusters, some of which rise above the water.

One type of coral excels in building reefs. Reef-building corals thrive in warm tropical seas. They usually start building reefs, along the edges of islands. Such reefs are called fringing reefs. Many tropical islands have such fringes. These protect the islands from the ravages of the sea. Sometimes an island, with a coral fringe begins to sink. Its shoreline goes down first, while coral building continues upwards. The sea invades the sinking shoreline and separates the coral reef from the rest of the island. Such a reef is called a barrier reef. The Great Barrier Reef, which extends for more than 2000 km parallel with the coast of Queensland, Australia, appears to have come into existence in this manner. This is the biggest coral reef known and consists almost entirely of the limestone skeletons of countless coral colonies that had existed through thousands of years.

Atolfs Low circular coral islands each with a central lagoon of shallow water, are called atolfs. Atolfs probably represent the last stage in the evolution of a coral island. When the island around which coral is built sinks, the coral ring remains above water, while the island disappears under the water. In course of time the coral limestone reef is weathered down to soil and seeds carried by birds or wind begin to sprout and produce vegetation. Then the coral reef turns into an inhabitable area—a coral island in fact.

Atolls consist of two parts, a central lagoon (watery area) and a surrounding reefland. Sometimes the watery surface is much bigger than the land surface. This is the case with Kwajelin in Marshall Islands, Central Pacific,

where the water area covers 2850 sq. km, while the land area is a narrow ring, with a total length of 280 kilometres. On the other hand, Christmas Island in Line Islands, Central Pacific, is an atoll with the largest land area known-480 sq. km. Its lagoon 'is relatively insignificant.

Hydrosphere

It is estimated that the hydrosphere contains about 1,460,000 cubic km of water. Of this 97.3% is in the oceans and inland seas. The rest 2.7% is found as glaciers and ice caps, fresh water lakes, rivers and underground water.

The total stock of ocean water and fresh water has been fairly constant throughout geological history. But the ratio between ocean water and fresh water has always changed according to climatic conditions. When the climate is very cold much of the sea water is absorbed by glaciers and ice caps and fresh water increases at the expense of sea water. When the climate grows hot, glaciers and ice caps melt and sea water gains at the cost of fresh water. Sea level observations during the last 60 to 80 years indicate that the sea level is rising slowly. This means that the climate is getting hotter.

The Oceans

The oceans cover 70.8% of the Earth's total surface area and hold 1445 million cubic km of water. This water despite its abundance is not directly useful to man, because it is not potable.

The ocean water contains about 3.5% of dissolved salts – chlorine, sodium, magnesium, sulphur, calcium, potassium, bromine, strontium and boron. Minute quantities of carbon, silicon, aluminium, fluorine and iodine are found. The oceanic waters are always in motion, owing to a variety of natural forces.

Solar heat sets ocean water moving. The Sun warms up the water in the equatorial

regions causing it to expand and rise by a few inches. This extra rise at the equator causes the water to flow down, to the north and south poles. As the warm water at the equator

flows north and south, the heavier cold water (heavier, because of its extreme condensa-

tion) in the polar areas sinks below the warm water and spreads slowly along the bottom to the equatorial regions. This interflow is complicated by the force of the rotation of the

Earth. Because the Earth spins eastwards, the sea water tends to roll up to the west, tuming slightly to the right in the northern hemisphere, and to the left in the southern hemi-

sphere. This is known as the Coriolis Effect, after the French mathematician who discovered it nearly a century ago.

have divided the oceanic area into 4 oceans, namely the Pacific, the Atlantic, the Indian and the Arctic. These oceans, by definition, include the seas, bays, gulfs and other ocean

The Oceans, unlike the continents, merge

so naturally into one another that it is hard to

demarcate them. Nevertheless, geographers

inlets attached to them. The Pacific Ocean is the largest and the oldest of the oceans. It occupies 35,25% of the Earth's area. It is 16,880 km at its broadest

and 11,516 matits deepest (Mindanao Deep).

It has the greatest conglomeration of islands,

which fall into three broad groups. Micronesia, Melanesia and Polynesia. Area: 155.5m km². Av. Depth: 4028 m, Deepest place: Mariana Trench.

The Atlantic Ocean, the second largest

ocean, covers 20.9% of the earth's area. Its greatest depth is 8,381 m (Milwaukee Deep). Area: 76.7m km², Av. Depth: 3926 m, Deepest place: Puerto Richo Trench. The Indian Ocean, the third largest,

The Arctic Ocean is the northern-most ocean. It winds round the North Pole and is completely frozen in winter and covered with drifting ice for the rest of the year. It is not

navigable. Area: 14m km², Av. Depth: 1205m, Deepest place: 77°45'N; 175°W The Antarctic Ocean* is otherwise called the Southern Ocean. It surrounds the whole

MgSO, 4.7%; CaSO, 3.6%; K,SO, 2.5%;

of Antarctica. In winter it gets frozen and because of its great expanse it influences regional climate. Area: 20.3mkm2, Av. Depth: 4500m, Deepest place: South Sandwich Trench. Salt in Ocean: NaCl 77.8%; MqCl, 10.9%;

CaCO, 0.3%; MgBr, 0.2%

Rivers, Lakes and Falls The two longest rivers in the world are the

Amazon (Amazonas) flowing into the South Atlantic and the Nile (Bahr-el-Nil) flowing

into the Mediterranean.

The length of the Amazon as measured in 1969 is 6448 km. A subsequent calculation has placed it at 6750 km. The length of the Nile as measured by M. Devroey of Belgium is 6670 km. If we take the lower figure for

If the greater length is considered (6750 km) the Amazon leads the Nile by 80 km. However, in judging rivers, the primary criteria are the amount of water they carry and

the extent of the area they serve, whether for navigation or cultivation. On these counts the Nile loses to the Amazon by wide margins. Amazon river has the greatest flow of all rivers in the world with an average 119, 000 cubic metres per second (118,860 cubic m of water

Amazon (6447 km) the Nile leads by 223 km.

bic metres in flood. It has the largest river basin stretches from Kanyakumari in India to the in the world, 7 million square kilometres. It has Antarctic at the South Pole. It takes up 14.65% some 15,000 tributaries, the longest tributary

depth is 7725 m. Area: 68.5 m km², Av. Depth:

3963m, Deepest place: Sunda Trench.

of the Earth's total surface area. Its greatest

per second (cusecs)) rising upto 200,000 cu-

delimited Antarctic Ocean as the 5th world ocean.

* In 2000, International Hydrographic Organisation,

Medeira having a length of 3200 km.

River Valleys: The running river water is an agent of erosion forming U-shaped or V-shaped valleys. During the rivers' different stages, erosion forms different land form.

Meanders: It is the longitudinal s-shaped courses of rivers.

Ox-bow lake: Small lakes formed as a river cuts through a meander neck to shorten its course, block off the old channel and then migrates away from the lake.

Deltas: Arcuate deltas are arc-shaped, like in Nile delta, Niger delta or Indus delta.

Bird-foot delta as in Mississippi delta.

Estuarine delta are those formed due to filling of estuaries of rivers as in Narmada & Tapi, Ob, Hudson, etc.

Atmosphere

The atmosphere is an insulating blanket protecting the Earth. It softens the intense light and heat of the Sun. Its Ozonic (O₃) layer absorbs most of the very deleterious ultraviolet rays from the Sun and thus protects living organisms from extinction.

The atmosphere is bound to the Earth by gravity. Satellites like the Moon, which have very low gravitational power, cannot and do not hold an atmosphere.

Air pressure simply means the weight of the entire air column over a given point. Air, of course, has very little weight. A litre of air weighs around 1.3 g. At the sea level, the air pressure is 1033.6 g per sq. cm. This pressure is usually described as one atmosphere.

Composition of Atmosphere: The atmosphere is composed of various gases and water vapour, and in its uppermost reaches, it is charged with subatomic particles. Up to about 50 km from the Earth, the atmosphere consists of about 78% nitrogen, 21% oxygen (O_2) and minor percentages of argon, carbon dioxide, neon, helium and methane, in that order. Above 50 km, the atmosphere is made up of atomic oxygen (O_3) , ozone (O_3) , helium and hydrogen.

Water vapour is present in the lower atmosphere, say up to 12 km, in concentrations ranging from 0.01% to 1%. Although the amount of water vapour in the atmosphere is very small, its importance is very great, for without water in the atmosphere, there would be no water on Earth. Water enters the atmosphere by evaporation from the hydrosphere (and by transpiration) and leaves the atmosphere by precipitation as snow or rain. It is a never ending 2-way traffic.

Clouds are made of water vapour that has evaporated from the Earth. They are very tiny droplets of microscopic size and are too light to fall down as rain. So they ride on the air waves until they condense and then fall down as rain.

Lightning: It is the surge of electricity from the Earth that makes lightning the awesome phenomenon that it is. The lead, however, is taken by the clouds which send down a rather weak stroke called the leader stroke. The Earth responds by sending up a much more massive stroke to the clouds. The whole thing takes less than a second, so that we see the leader stroke and the counter stroke as one flash of lightning. Dry air is highly resistant to electricity. When the air is loaded with water vapour it becomes a better conductor. Nevertheless, much power is required for the stroke to rip through the air. This excessive discharge of electricity heats up the air around the passage (of the stroke) to incandescent temperatures, say 10,000°C. It is this glowing air that we see as lightning flash. The heat also causes a sudden expansion of air which, as the heat disappears, contracts quickly again. This sudden expansion and contraction produce the familiar thunder clap. Although both occur at the same time, we see the flash first for light travels much faster than sound.

The character and composition of the atmospherechangeasone go higher and higher.

Spheres of Atmosphere 1. Troposphere with Tropopause, 2. Stratosphere with

Stratopause, 3. Mesophere with Mesopause and 4. Ionosphere and S. Exosphere. The one nearest the Earth—between 8 and

12 kms - is called the Troposphere. Here the temperature decreases with increase in height. It's the densest and contains water vapour and dust. Clouds are found here. Since 80% of the air mass is concentrated here it is capable of influencing Earth's climate. Tropopause is what separates Troposphere from

Stratosphere. Stratosphere, extends from 12 to 30 km, and the temperature remains steady. It is free from water vapour, clouds and dust. Jets often fly in this zone. Ozone protects Earth from the bad effects of the UV- rays radiating from the Sun. Stratopause divides Stratosphere from Mesosphere. Mesosphere extends up to 80 km and is

very cold. Still higher, starting about 80 km above the surface, is the lonosphere. In this uppermost region many of the molecules and atoms of the Earth's atmosphere are ionized.

Ozone Layer

According to 2006 Reports of two UN agencies, the World Meteorological Organisation (WMO) and the UN Environment Program (UNEP), the earth's ozone layer is finally on the mend after decades of damage, i.e., recovering more slowly than experts had hoped. Over huge areas of Europe, North America and Asia in the northern hemisphere and over southern Australasia, Latin America and Africa, the layer would be back to pre-1980 levels by

2049. Over Antarctica, where so-called

"ozone holes" have grown over the past 30

years, recovery was likely to be delayed until

2065. The good news is that the level of ozone-depleting substances continues to

decline from its 1992-94 peak in the

troposphere and the 1990s peak in the

stratosohere The earth's atmosphere :-

enveloped by different layers but in th stratosphere it is covered by ozone gas (Stratosphere extends from 12 km to 30 km above the Earth). Ozone has three oxyger atoms while oxygen has two. Ozone protect

ultraviolet (UV) rays from the Sun. The U\ light from the Sun causes reaction leading to making and breaking of ozone oxygen. The ozone layer absorbs potentially harmful U\ radiation from the Sun (at wavelength;

mankind from harmful radiation called

between 240 and 320 nm). The mair destroyers of the ozone are the CFCs (Cholorofluorohydro-carbons) (from air conditioners, refrigerators, aerosols, solvents and in production of some types of packaging) and nitrogen oxides from fertilisers and aircraft emissions occurring high in the troposphere (which rise up into the stratosphere) where they are broken by UV light into chlorine (which has a very devastating effect on the ozone). One atom of chlorine can destroy over 100,000 molecules of ozone. Depletion

of the ozone layer will allow UV light of the

undesirable wavelengths to penetrate the

atmosphere and reach Earth's surface. This

causes skin cancer, severe sunburns, cataracts,

damage vegetation, crop yields and sea life,

Winds

It is the air in motion. What causes the wind

among other things.

is the pressure gradient, it always from high pressure area to low pressure area. Due to the Earth's rotation the wind's direction changes suddenly due to deflection. In the northern hemisphere the wind is deflected to the right

and in the southern hemisphere to the left. This phenomenon is called the Ferrel's Law. The force acting behind it is Coriolis force. Types of Winds (i) Planetary winds are those that occur at the global scale, such as the trade winds, westerlies (Roaring Forties,

Furious Fifties, Shrieking-sixties), doldrums,

tennical autonos as in India (Typhoon-Phil-

			4.7	

Monsoon in itself is considered a phenomenon. Monsoon is attached to such an atmospheric circulation which reverses its flow seasonally. If this criterion of seasonal reversal is applied strictly, then only a few regions of the world have monsoon wind system. It is in Asia that monsoonal circulation is found in the ideal form. USA, Northern Australia, West Africa also has monsoonlike experiences.

Indian Monsoon The monsoon in the truest sense is observed only around the Indian Ocean. The centres of action, air masses, and the dynamics of Indian monsoon are completely different from the rest of the world monsoon systems. The peninsular shape of the country has its role, as it divides the SW monsoon flanks to the north as the Arabian Sea branch and to the east as Bay of Bengal branch.

Rain: When the SW Monsoon brings about

I metre of average rainfall over the plains of the country as a whole, it is called normal. But there are many places such as the windward side of the Westem Ghats which receive between an average of 100-250 cm of rain. At Mahabaleshwar the rainfall amounts to 650 cm and Mawsynram, on the southern slopes of Khasi-Jayantia Hills, has the unique distinction of receiving average precipitation of 965 cm, in the world. The term 'drought' is generally applied when the country receives 85% or less of the long term average rainfall; the SW monsoon may be deemed to have failed when the rainfall is so scanty.

(a) tropical location of the Indian sub-continent, (b) Himalayas—the mountain barrier to the north of the landmass, cold and dry airmass from the Central Asian high pressure zone. It not only blocks the SW wind from crossing over to the Tibetan plateau but allows it to spread in the north Indian belt. (c) monsoon is controlled by high and low pressure centres developed over northwest-

Peculiarities of Indian monsoon

ern region of the Indian sub-continent, (d) It is in summer due to intense heating the high temperature (about 40 - 45°C) steepens pressure gradient over India, (e) extreme low pressure points (thermal low of upto 700 mb) that develop in the NW region, actively attract the prevailing wind from the Indian Ocean, (f) monsoon bursts over India with big turbulence, (g) Inter-tropical Convergence Zone shifts to the northern plains (about 30°N), (h) at its peak monsoon derives its strength from series of atmospheric depressions, that have their origin in the convergence zone of different air masses, (i) monsoon starts by 20th May and covers the whole country by July 15th, (j) retreating monsoon starts (also called NE monsoon) from northern regions by Sept. 1st, central India by Oct.1st, and completely by first week of November, (k) Retreat of monsoon is also accompanied by disturbances such as cy-

Linar Statistics

clones, causing large scale damage to life and

property along the eastern coast of India.

- Distance from Earth -0.384403 m km
- Diameter-3,475 km
- Circumference- 10,927 km
- Temperature on Moon-134°C to 170°C •Revolution around Earth 27 days 7hrs 43min-11.47 sec
- Av. speed around Earth- 3700 kmph
- Age-About 4.6 b years
- Gravitational pull-1/6th that of Earth

[&]quot;The mean distance from the Earth: Apogee (max)-406,699 km, Perigee (min)-356,399 km The Moon revolves round the Earth in 27¹⁰ days (27 days 7 hours 43 minutes and 11.47 seconds) and rotates on its own axis in exactly the same time. That's why only one side is seen.

Sinemeyold divis

The occurrence of earthquakes in India is due to the drifting of the so-called Indian Plate. Scientists divide the globe into a number of major tectonic plates that drift very slowly. Whenever and wherever these plates slide against each other a tremendous amount of energy is released and causes the terrific destructions. The recent earthquakes in Mahara-shtra and Gujarat give us a good estimate of how damaging they could be.

Earthquake

There was a time – some 225 million years ago – when the continents were not separated by oceans. The earth's surface knew only one massive continent, called Panagea. The some 200 million years ago, Panagea split into two major continents, one of them Gondwana-land (which contains Africa, South America, India and Australia). Gondwanaland continued to split into smaller land masses, one of them is the Indian plate. It drifted at a speed of 9 metres per century towards the Eurasian plate. Where these giant plates met under enormous pressure, the Himalayans were formed.

Types: Natural Earthquakes caused by endogenic forces. (i) Volcanic-caused due to volcanic eruptions, e.g., Mt Etna. (ii) Tectonic-caused due to stress and strain along Earth's plates or dislodging of rocks during faulting. (iii) Isostatic-caused by isostatic imbalance due to sudden geological activity at a regional scale. (rv) Plutonic-earthquakes originating deep inside the earth between 250 to 650 km deep.

How Earthquakes Occur? There are many fault-lines in the Earth's crust. A fault is where

blocks of crust on either side are moving relative to one another. The typical average rate is around a millimetre per year. If this movement happened gradually it would pose few problems for people living near by. Unfortunately rocks do not behave that way. Strain builds up for decades or centuries until it reaches a critical level, and then everything gives in at once.

Once a fault has given way at one point, slip movement may occur along its whole length, which may be hundreds or thousands of kilometres, though mo-vement is usually restricted to a much shorter portion of the whole fault. The strongest seismic waves are generated at the initial break-point. The closer to the break-point, the greater the energy and the greater the potential for destruction, especially if the break-point is near the surface. Technically, the break-point is called the earthquake focus, and the point on the surface directly above it is referred to as the epicentre. Slip further along the fault and readjustments close to the focus usually cause a series of smaller aftershocks, which comtinue for days (even years in extreme case) after the Initial earthquake. Such kind > === ergy releaseare called waves becoure = " way they move. Most of the damage by an earthquake is not done by the and S-waves. These waves travel dead body of the Earth, and their except over a rapidly increasi propagate. It is oth: \ travel along the surf most of the harm. down waves (like strong side-10-s

Major	Earthquakes	Worldwide
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Year	Date	Place	People killed**	Richter
			Killen	State
1990	Jun 21	tran	35,000	7.7
1990	July 16	Philippines	1,620	7.8
1991	Feb 1	Pak/Afghan	1,200	6.8
1991	Oct 20	India	1,600	6.1
1992	Dec 12	Indonesia	2,200	6.8
1993	Sep 30	India	10,000	6.4
1994	jun 6	Colombia	1,000	
1995	Jan 17	Japan	6,430	7.2
1995	May 28	Russia	1,989	7.5
1997	Feb 28	tran	1,000	5.5
1997	May 10	Iran	1,560	7.1
1998	Feb 4	Afghanistan	4,500	6.1
1998	May 30	Afghanistan	4,000	6.9
1998	July 17	Papua-Guin	ea 2,100	7.1
1999	Jan. 25	Colombia	1,170	6.3
1999	Aug 17	Turkey	15,600	7.4
1999	Sep.21	Taiwan	2,000	7.6
2001	Jan. 26	India	20,000+	6.9 - 7.9
2002	Mar. 3	Afghanistan	166	7.4
2002	Mar. 25	Afghanistan	1,000	6.1
2005	Oct.8	Pak-India	40,000	7.4
2006	Jan 8	S. Greece		7.9
	May 27	Indonesia	6234	6.3
	july	Indonesia	659	7.7

waves, and, if felt, can give a few seconds (minutes, if further away) warning of the

When Next? Scientists can't predict earthquakes but they know in which regions earthquakes are most likely to occur. Taking into account the speed and direction of the drift of the plates, the structure of the land masses and in particular the measurements of the tensions between different areas almost accu-

S-body waves travel faster than the surface

arrival of the more damaging surface waves.

eastern part of the country before 2019 There is a very high probability - but it absolutely impossible to predict an exact date

or the epicentre of this quake.

Seismic Scale

The Richter scale is a logarithmic scal devised in 1935 by geophysicist Charles Rick ter, for representing the energy released b earthquakes. More relevant as a measure earthquake strength is the intensity, for which

Comparative scale: Richter & Mercall

felt indoor.

Richter	Mercalli	Effects
2.5	1&11	Generally not felt, but re
		corded
	111	Slight vibration
4.5	IV	Local damage.
5.0	٧	Light damage. Can be

the modified Mercalli scale is used.

7.0 IX

VII

Х

ΧI

XII

6.0

8.0

9

10

Roughly ten occur each vear. Great earthquakes. Occur once every 5-10 years; produce total destruction to nearby communities.

Very disastrous,

Very very disastrous,

widespread

Moderately destructiv in populous region.

Majorearthquake, Inflict serious damage.

Volcanoes

kilometres underground, rising up through

cracks and weak spots in the mountain. Even

once in a while, the mixturemay blast out, o

panic

A volcano is a mountain or hill with a opening on top known as a crater. Hot melter rock (magma), gases, ash, and other materia from inside the Earth mix together a fev

rate probabilities can be calculated. Guiarat and the whole of Northern India are areas. with a high probability of experiencing severe earthquakes Based on tension measurements and past movements of the Indian plate scientists know that a very major earthquake is

going to hit the Shillong plateau in the north-

erupt, through the crater. The magma is called lava when it reaches the air. Lava may pe as hot as 1000 degree Centigrade. Gradualy the lava cools and solidifies on the earth surface making new landforms. In some eruptions, huge fiery clouds rise over the mountain, and glowing rivers of lava flow down its sides. In other eruptions, redhot ash and cinders shoot out from the mountain top, and large chunks of hot rock are blasted high into the air. A few eruptions are so violent they blow the mountain apart. Some eruptions occur on volcanic islands. Such islands are the tops of volcanic mountains that have been built up from the ocean floor by repeated eruptions. Other eruptions occur along narrow cracks in the ocean floor. In such eruptions, lava flows away from the cracks, building up the sea bottom.

Types: PERIODICITY: (i) Active- that which is alive now. e.g. Etna, Stromboli, Pinatubo, etc. (ii) Dormant- that which has not erupted for quite some time now. e.g. Vesuvius, Barren Is. (iii) Extinct- which has not erupted for several centuries/millennia or may not occur in near future too. MODE of ERUPTION: (i) Central / Explosive- e.g. Hawaiian type, Vesuvius type, Pelean type, etc. (ii) Fissure / Quite eruption: in which lava flow or flood, mud flow and fumaroles.

Volcanic eruptions

Anica	nic eruptions	
Year	Volcano (place) De	eaths (approx)
79 AD	Mt. Vesuvius , Italy	16000
1586	Kelut, Indonesia	10,000
1792	Mt. Unzen, Japan	14,500
1815	Tambora, Indonesia	10,000
1883	Krakatoa, Indonesia	36,000
1902	Mt. Pelee, Martinique	28,000
	Mt. St. Helens, USA	57
1982	El Chichon, Mexico	1880
1985	aci naiz, coluit	nbia 23000
1986	Lake Nyos, Cameroon	1700
1991	Mt. Mt Pinatubo, Philip	ines 800

Ring of Fire: The hundreds of active volcanoes found on the land near the edges of the Pacific Ocean make up what is called the Ring of Fire. They mark the boundry between the plates under the Pacific Ocean and the plates under the continents around the ocean. The Ring of Fire runs all along the west coast of South and North America, from the southern tip of Chile to Alaska. The ring also runs down the east coast of Asia, starting in the far north in Kamchatka. It extends down past Australia.

Looking at the Continents

Name	Area	% of Earth's	Population Estimate
	sq kllometres	area	(million)
Asia	43 998 000	29.5	3879
Africa	29 800 000	20.0	87 7
N. America	21 510 000	16.3	501
S. America**	17 598 000	11.8	379
Europe	9 699 550	6.5	727
Australia "	7 699 000	5.2	32
Antarctica	13 600 000	9.6	uninhabitted

[&]quot;Australia with New Zealand, Tasmania, New Guinea and the Paofic Islands, (Micronesian, Melanesian and Polynesian Islands) is called Australasia by some geographers while some others call it Oceania. ** Includes Caribbean countries

Oceans of the World

Pacific	166,241,000 sq km
Atlantic	86,557,000 sq km
Indian	73,427,000 sq km
Arctic	9,485,000 sq km

Continentwise Highest Point

Continent	Peak	Height(m)
Asia	Mt. Everest	8 848
Africa	Kilimanjaro	5963
N. Am.	McKinley	6 194
S. Am.	Aconcagua	6 959
Europe	Mt. Elbrus	5 633
Oceania	Puncak Jaya	4884
Antactica	Vinson Massif	4897

Continentwise Lowest Point

Continent	Peak	Depth(m)	
Asia	Dead Sea	-196.8	
Africa	Lake Assau	-716	
N. Am.	Death Valley	- 33 a	
S. Am.	Valdes Ferur	-39 g	
Europe	Caspian Sea	_ -1 2 +	
Oceania	Lake Evra	73.8	

Mariana Trench, Pacific Ocean	10920m			
Puerto Rico Trench, Atlantic Oc	ean 8605m 7125m	Subtropical		
ava Trench, Indian Ocean Arctic Basin, Arctic Ocean	5122m	Sahara, North A	frica 9,064,650	sq. I
acue basii, Acue ocean	3122111	Arabian, Middle	East 2,589,900	sq. k
Major Seas		Great Victoria, A	ustralia 647,475	sq. I
outh China	2,974,600 sq km	Kalahari, Southe	rn Africa 582,727	' sq. 1
Caribbean	2,515,900 sq km	Chihuahuan, Me	exico 453,232	2 sq. 1
Aediterranean	2,510,000 sq km	Thar, India/Pakist	an 453,232	2 sq. 1
Bering	2,261,100 sq km	Great 5andy, Au		sq.
Gulf of Mexico	1,507,600 sq km	Gibson, Australia		sa. 1
Sea of Okhotsk	1,392,100 sq km	Sonoran, 5.W. U		
Sea of Japan, or East Sea	1,012,900 sq km	Simpson/Stony,	•	
Hudson 8ay	730,100 sq km	Mohave, S,W, U	·	
ast China	664,600 sq km		יכס, כנו	, 24.
Andaman	564,900 sq km	Cool Coastal		
Black ·	507,900 sq km	Atacama, Chile :	5A 1 39, 854	l sq. 1
Red	453,000 sq km	Namib, S.W. Afr	ica 33,668	3 sq. 1
		Cold Winter		
Major Lakes		Gobi, China	1,294,950	sa.
	271 000 1	Patagonian, Arg		•
Caspian Sea, Asia-Europe	371,000 sq km	Great Basin, S.W		•
Superior, North America	82,100 sq km	Kara-Kum, West		•
Victoria, Africa	69,500 sq km	Colorado, Weste	•	, 3 q .
Huron, North America	59,600 sq km	•		7 - ~
Michigan, North America			ted Desert 336,687	•
Tanganyika, Africa	32,900 sq km	Kyzyl-Kurn, Wes		
Baikal, Asia	31,500 sq km	Taklamakan, Ch		
Great Bear, North Americ		Iranian, Iran	258,990	sq.
Aral Sea, Asia	30,700 sq km			
Malawi, Africa	28,900 sq km	Famous Waterf	alis	
Great Slave, Canada	28,568 sq km	Name	Country Dr	op (ı
Erie, North America	25,667 sq km	Angel	Venezuela	8
Winnipeg, Canada	24,387 sq km	Mongefossen	Norway	7
Ontano, North America	19,529 sq km	Kukenaam	Venezuela	6
8alkhash, Kazakhstan	18,300 sq km	Utigard	Norway	6
		Ribbon	USA	4
Deepest Lakes		King George VI	Guyana	4
8aikal, Russian Fed.	1620m	Roraima	Guyana	4
Tanganyika, Africa	1463m	Upper Yosemite	USÁ	4
Caspian Sea, Asia-Europe	1025m	Kalambo	Tanzania-Zambi	a 4
Malawi or Nyasa, Africa	706m	Gavamie	France	4
lssyk-Kul, Kyrgyzstan	702m	Tugela	S. Africa	4
Wettest inhabited Pia	ices	Takakkaw	Canada	3
8uenaventira, Colombia	678	Deepest Caves		
Monrovia, Liberia	513	Name	Location Man	do-
Pago Pago, American Sam			Location Max	<u>.</u>
Moulein, 8urma (Myanma		Resseu du Foillis	France	14
Lae, Papua New Guinea	465	Resseu de la Pierre		13
8aguio, Philippines	457	Snezhnaya, Caucas		12
		Cietama Muntla	Mauica	12

Sistema Huatla

452

Mexico

1220

Sylhet, Bangladesh

ngest	R	ivers
-------	---	-------

ne Country/ Length in				
ne	-			
	Continent kil	lometres		
e	Africa	6650		
azon	S. America	6437		
ssissippi-Missouri	USA	6020		
ngtze Kiang	China	5494		
o-Irtysh	Russia	5410		
ire	Africa	4700		
na	Russia	4400		
vang Ho	China	4344		
ackenzie	Canada	4241		
ekong	Asia	4180		
iger	Africa	4180		
. Lawrence	Canada-USA	4023		
Ігапа	S. America	4000		
enisey	Russia	3804		
lurray-Darling	Australia	3780		
olga	Russia	3690		
ambezi	Africa	3540		
1aderia	S. America	3218		
urus	S. America	3200		
ukon–Teslin	Alaska-Canad			
io Grande	USA-Mexico	3040		
ndus	Asia	2900		
rahmaputra	Asia	2900		
INDIA)		10		
anga	India	2510		
odawan	India	1450		
larmada	India	1290		
irishna	India	1290		

Deep-sea Trenches

Vame

Mariana (W. Pacific)	2250	10 924	Challenger Deep
Fonga Kermadec (S. Pacific)	2575	10 850	Vityaz 11 (Tonga)
Kuril-Kamchatka (W. Pacific)	2250	10 542	. 2.
Philippine (W. Pacific)	1350	10 539	Galathea Deep
Java-Indian (Ocean)	2250	7725	Planet Deep

Depth Deepest pt.

Length

Units: Length in km and depth in metres

Principai Peaks

Country He	ight (m)
Nepel-Tipe	8843
	2750
India (POK)	2 611
Nepal-India	8 598
Nepa!	8167
India	8126
Nepal	8 091
	Nepal-Tipes India (POK) Nepal-India Nepal India

Nanda Devi	India	7 817
Mt. Kamet	India	7 756
Saltoro Kangri	India	7742
Guda Mandhata	Tibet	7 728
Tirich Mir	Pakistan	7 700
Minya Konka	China	7 690
Saser Kangiri	India	7672
Muztagh Ata	China	7 54 6
Mt. Communism	Tajīkstan	7 495
Badrinath Peak	India	7138
Chomo Lhari	India-Tibet	7 100
Aconcagua	Argentina · ·	6 960
Ojos del Salado	Argentina-Chile	6 885
Mercedario Huascaran	Peru ·	6 768
Liullaillaco	Chile	6 723
Volcano Tupungato	Chile-Argentina	6 550
Sajama Volcano	Bolivia	6 520
Illimani	Bolīvia	6 462
Vilcanota	Peru	6 300
Chimborazo	Ecuador	6 267
Mt. McKinley	Alaska	6 194
Cotopaxi	Ecuador	5897
Kilimanjaro	Tanzania	5895
Mt. Elbrus	Georgia	5642
Mt. Blanc	France-Italy	4807
Matterhom	Switzerland	4478
Mt. Cook	New Zealand	3764

*(Qomolangma-feng:Chinese, Sagarmatha:Nepalese, Mi-ti gu-ti cha-pu long-na: Tibetan). The dormant volcano Mauna Kea (on Big Island of Hawaii) could be considered the tallest mountain in the world if one measures it from its base in the Hawaiian Trough (3280 fathoms deep) to its summit, it reaches a height of 10,203m. (4205m above the msl.)

Hottest, Coldest, Driest, Wettest

Hottest Place Dallol, Denakil Depression, Ethiopia, annual average temp. 34.4°C • Coldest Place Plateau Station, Antarctica, annual average temp. –56.7°C • Wettest Place Mawsynram, Meghalaya 1187 cm 74-yr. av.; (Mt. Waialeale, Hawaii Is.,1168 cm, 32-yr.av.) annual average rainfall • Driest Place Africa, Atacama Desert, Chile, (no rain for 14 consecutive years) 0.08cm.

World's Largest Four Islands

Name	Area sq km	Lector
Australia*	7 682 300	Indian Comm
Greenland		איבור כבבד
New Guinea	792 500	7 - 32-55
Borneo	725 545	Indian Class

गुर्वेक प्रस्करकरम्

The amendment to the treaty on United Nations Framework Convention on Climate Change, called Kyoto Protocol, aims at cutting global emissions of Green House Gases (GHG). The Intergovernmental Panel on Climate Change (IPCC) has predicted an average global rise in temperature of 1.4°C to 5.8°C between 1990 and 2100. Current estimates indicate that even if successfully and completely implemented, the Kyoto Protocol will reduce that increase by somewhere between 0.02°C and 0.28°C by the year 2050 (source: Nature, October 2003).

Objectives: Kyoto is intended to assign mandatory targets for the reduction of

global emissions of greenhouse gas to signatory nations. The objective is the "stabilisation of greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system" UNFCCC-2.

Status: The treaty was negotiated in Kyoto, Japan in December 1997, opened for signature on March 16, 1998, and closed on March 15, 1999. The agreement came into force on February 16, 2005 following ratification by Russia on November 18, 2004. As of July 2006, a total of 164 countries have ratified the agreement (representing over 61.6% of emissions from Annex I countries).

Chief Memine

Global warming refers to an increase in average global temperatures, which in turn causes climate change. Climate change refers to changes in seasonal temperature, precipitation, wind, and humidity for a given area. Climate change can involve cooling or warming.

Temperature readings taken around the world in recent decades, and scientific studies of tree rings, corals, and ice cores, show that average global temperatures have risen since the industrial revolution began, with increases accelerating over the past few decades. The overwhelming consensus among climate scientists is that most of the increase is due to human economic activity, especially the burning of fossil fuels and deforestation. These

activities contribute to a build-up in carbon

dioxide (CO₂) and other gases in Earth's atmosphere.

Our atmosphere is made up of gases, such as nitrogen, oxygen, and CO₂, and water vapor, which act like a "blanket" draped around the planet. Some of these gases—such as CO₂, water vapour, and methane—absorb heat, reducing the amount that escapes to space, and increasing global temperatures. This is what is called the "greenhouse effect," and these gases are often referred to as "greenhouse gases."

Without this process, the temperature of Earth's atmosphere would average about 30 degrees Celsius colder than it is today, making it difficult for Earth to sustain life as we know it. However, if this blanket were to become too "thick," with too many gases trapping too much heat, Earth would be uninhabitable.

Notable exceptions include the United States and Australia. Other countries, like India and China, which have ratified the protocol, are not required to reduce carbon emissions under the present agreement.

According to terms of the protocol, conditions for entry into force required 55 parties and at least 55% reduction of the total CO₂ emissions at 1990 levels for the Parties included in Annex I."

At its heart, Kyoto establishes the following principles: *Kyoto is underwritten by governments and is governed by global legislation enacted under the UN's aegis

* Governments are separated into two general categories: developed countries, referred to as Annex 1 countries (who have accepted strict GHG emission reduction obligations); and developing countries, referred to as Non-Annex 1 countries (who have no GHG emission reduction obligations) * Any Annex 1 entity failing to meet its Kyoto targets

is subject to a fine and further penalised by having its reduction targets increased by 30% * By 2008, Annex 1 countries have to reduce their GHG emissions to around 5% below their 1990 levels. * Kyoto includes "linking mechanisms" which allow Annex 1 economies to meet their GHG targets by purchasing GHG emission reductions from elsewhere. The Kyoto linking mechanisms are in place for two main reasons: * the cost of complying with Kyoto is prohibitive for many Annex 1 countries (especially those countries, such as Japan or the Netherlands for example, with highly efficient, low GHG polluting industries, and high prevailing environmental standards). Kyoto therefore allows these countries to purchase Carbon Credits instead of reducing GHG emissions domestically; and, * this is seen as a means of encouraging Non-Annex 1 developing economies to reduce GHG emissions since doing so is now economically viable because of the sale of Carbon Credits.

Melai Polletton

Lights, without question, help us feel secure but bad lighting hurts everyone. According to a popular 2001 study by University of Padua, Italy, two-thirds of the world's population is blind to the night sky. The loss of the dark star-filled sky is of tragic consequences for the environment and for the human soul, akin to the loss of our forested landscapes and other natural treasures. Bad light is affecting astronomical observations in different locations just as much as such conditions are affecting birds causing accidents (even killing itself) as it prey-on under street lights.

Since 1988, the International Dark Sky Association (IDA) — has dedicated itself to emphasise the gratuitous amount of energy and money wasted due to reckless lighting practices. A simple glance at a supermall, city hoardings, billboards or corporate offices at night will demonstrate the light-spewing, the IDA is trying to clean up. Obviously, the preservation of life should remain at the forefront of civilisation's collective attention, but like any natural resource, the majesty of the night sky need not be compromised. The IDA does not seek to eliminate such useful and necessary forms of lighting. Instead, it is striving to modify the current excessive lighting practices. Following through such efforts can conserve energy, reduce harmful glare on the road, and of course, allow for a purer view of the night sky. The IDA, though, is trying to convince local and state governments to light intelligently and, coincidentally, economically. In US, states like Arizona, Texas, etc., have already enacted anti-light pollution laws.

word 'pollution', originally a Latin word 'pollutionem,' means to make dirty. Environmental pollution is a serious problem of the industrialised societies because people have converted the life—supporting systems of the entire living world into their own resources and have vastly disturbed the natural ecological balance. Serious degradation and depletion have been caused through over use, misuse and mismanagement of resources to meet the human greed.

Environmental pollution is defined as the unfavourable alteration of our surroundings, wholly as a by-product of man's activities through direct or indirect efforts of changes in the physical, chemical and biological characteristics of land, air or water that harmfully affect human life or any desirable living thing. Human population explosion, rapid industri-alisation, deforestation, unplanned urbani-sation, scientific and technological advancement, etc. are the major causes of environment pollution.

Air Pollution: Due to air pollution, the composition of the air is changing all over the world, esp. in industrialised countries. Air pollution results from gaseous emission from industry, thermal power stations, domestic combustion, etc. Most of the gaseous and particulate air pollutants are products of burning of fuels. Burning of coal mainly produces carbon dioxide, sulphur dioxide and fly-ash. Lead, carbon monoxide and nitrogen oxides are added to the atmosphere from automobile exhaust. Nitrogen oxides & sulphur dioxide together are responsible for acid rain. Carbon monoxide is highly toxic and impairs oxygen-carrying capacity of blood. Several cases of death are reported every year from carbon monoxide poisoning from gas heaters, heating devices and coal mines. Lead which is emitted by automobile is known to hamper haemoglobin formation. Compounds containing chlorine and fluorine, especially the chloroflurocarbons, are widely used as propellants and as refrigerants. They cause ozone depletion in stratosphere. Air-bome solid and liquid particulates are emitted by various industrial processes such as blasting, drilling, crushing, grinding and drying which may cause lung diseases, if inhaled.

Haemoglobin is known to absorb NO₂ more easily than oxygen. About 80 to 90% NO₂ inhaled is easily absorbed into the bloodstream. This reduces the oxygen-carrying capacity of blood. NO₂ causes lung tissue to become and cause lung cancer and emphysema (breathing problem due to the breakdown of the air sacs in the lungs, which then progressively diminishes the ability of the lungs to exchange oxygen and carbon dioxide in the blood stream). Thus, NO₂ causes bronchitis and bronchopneumonia. In presence of sunlight, NO₂ reacts with hydrocarbons to produce ozone, a highly toxic gas, known to cause asthma.

Water Pollution: Water pollution adversely changes the quality of water. It disturbs the balance of ecosystem and causes health hazards to humans and animals. Water becomes polluted by the presence or addition of inorganic, organic or biological substances.

Effluents from factories, paper mills, sugar mills, tanneries, urban and rural sewage are let into rivers. Water pollution also occurs due to the use of pesticides and fertilizers in agriculture. Enrichment of water by nutrient (esp. nitrate and phosphates) results in eutrophication of lakes and water bodies. This results in

ssive growth of algae and depletion of slved oxygen in the lake. Oil spills from oil ers also causes manne pollution. Various of the micals like DDT can enter into the I chain through polluted water.

Noise Pollution: Noise can be defined nwanted sound. Whether a sound is pleasor a noise depends upon loudness, dura-, rhythm and the mood of the person. The t immediate and acute effect of noise ution is impairment of hearing, anxiety stress and in extreme cases fright. Physigical manifestations: increase in the rate of rt beat, constriction of blood vessels, ditive spasms and dilation of pupil of the eye. idness is measured in terms of decibels). Just audible sound is about 10dB, a isper is 20dB, and a normal conversation is ·60dB. Sound beyond 80dB can be safely parded as pollution as it harms hearing tem. The WHO has fixed 45dB as the safe ise level for a city.

PM 10 and PM 2.5: PM stands for particue matter and the numbers 10 and 2.5 are meter of particles in micrometer (Mm). The ticles less than 10 Mm diameter which are led respirable suspended particulate matter iPM) can enter into human nasal tract, and ticles smaller than 2.5 Mm can reach further ide up to terminal bronchi and alveoli in the lgs - may cause serious lung diseases, tuour, cancer, etc.

Radioactive Pollution: Radioactive polion is related to all major life supporting items-air, water and soil. Radioactivity is a enomenon of spontaneous emission of alia, beta and gamma rays as a result of integration of atomic nuclei of some eleents. Man-made sources of radiation pollum are mining and refining of radioactive aterial, production and explosion of nuclear eapons, nuclear power plants and fuels, and eparation of radioactive isotopes. All organis are affected by radiation pollution. In ghdoses, radiation can cause death. Long or

repeated exposure can cause cancer and leukaemia and induce mutation.

Soll pollution and land degradation: The soil pollutants include pesticides, fertilizers, industrial wastes, mining wastes, salts, radioactive materials, tin, iron, lead, mercury, aluminium & plastics. Pesticides adversely affect the micro-organisms present in soil. In addition to this, pesticides enter in human food chain either through plants or through water which accumulates as surface runoff or leaches down in the ground water with pesticide dissolved in it. Poisonous waste render soil unfit for crop production. The dangerous metals like fluoride and arsenic when present in soil, not only contaminate the crops, but also ground-water.

Deforestation: Deforestation is a threat to the economy, quality of life and future of the environment. Main causes of deforestation in India are: explosion of human and livestock population, increased requirement of timber and fuel wood, expansion of agriculture land, enhanced grazing and construction of infrastructure along the mountains. Ideally 33% of land of a country must be covered by forest. Damage caused: intensified soil erosion, accentuated floods and drought and loss of precious wild life. India is losing about 1.5 million hectares of forest cover each year. Nearly 1% of the land surface of India is turning barren every year due to deforestation. In the Himalayan range, the rainfall has declined 3 to 4% due to deforestation.

Afforestation: It restores ecological balance of all ecosystems, maintain biological diversity, act as catchments for soil and water conservation, prevent floods and safeguard future of tribal people. So, we need to develop massive afforestation programme of indigenous and exotic fast growing species for production and protection of forestry on suitable land including wasteland. A massive social forestry programme is needed to meet demands of local people for fuel, fodder, timber, etc.

शाहातात्वर्धारा

The biosphere is a sphere of living organisms or biological processes lying at the atterface between the atmosphere, lithoshere and hydrosphere. The distinguishing sature of the biosphere is that it supports ie. It is estimated that the biosphere contins more than 350,000 species of plants inuding algae, fungi, mosses and higher forms of plants, and 11 million animal species ranging from unicellular protozoa to man. The iosphere supplies the essential requisites of fe for all these species, namely light, heat, rater, food and living space or habitats.

The biosphere, or the eco-system, repreents a stable equilibrium of various physical nd biological factors which have been operting in the past. The organic continuity of he system rests on a network of interdependent relationships. The air, the water, man and the animals, plants and planktons, the oil and bacteria are all invisibly interlinked in life-sustaining system we call the environnent. All living organisms—microbes, plants, nimals, man—have survived by adjusting hemselves to the environment and attuning heir lives to its rhythm.

50% forests lost, 40 species extinct according to the final technical report of the lational Biodiversity Strategy and Action Plan NBSAP), India has lost over 50% of its forest over, 40% of its mangroves, and a signifiant part of its wetlands in the past couple of enturies. The report "Securing India's Fuure: The Final Technical Report of the Naonal Biodiversity Strategy and Action Plan" ras released in 2005. At least 40 species of lants and animals has become extinct, inluding the cheetah and the pink-headed

duck, while several hundred more are under thethreat of extinction. Much of the diversity crops and livestock had been lost or were under threat. All 18 of India's poultry breeds are also under threat.

The reason cited are habitat destruction, hunting and over-exploitation as the immediate causes of biodiversity loss, besides an unsustainable and insensitive model of 'development, breakdown of traditional management practices and institutions, centralisation of decision-making powers in the government, serious social and economic equities, changes in moral and cultural values and lack of recognition of the full value of biodiversity in economic planning.

Sharing the Earth

We share the planet with trees, flowers, inse-cts, fish, whales, dogs, and many other plants and animals. Each species of animals or plants has its place on Earth, and each one is dependant on others. Plants give off oxygen that animal need to breathe. Animals pollinate plants and spread their seeds. Animals eat plants and are in turn eaten by larger animals. When plants and animals die, they become part of the soil in which new plants take root and grow.

People and the Environment

Now the human population is 6.4 billion and is still rising very fast. By 2050, according to UN estimates, there will be 8.9 billion people on the planet. Remember in 1850, there were just a billion people here.

This many people and their activities on the planet are seriously affecting the plants and animals of the world. Sometimes the damage can be controlled or even reversed but most of the time the damage is permanent. Today 1932 species of animals are endangered or threatened, according to WWF.

Habitats and some animals: Deserts: (hot/ cold dry regions) - camels, kangaroos, mice, scorpions, rattle snakes . Tropical Forests: (warm, humid climate)-orangutans, gibbons, leopards, anteaters, parrots, deer . Grasslands: flat, open lands) - African elephants, kangaroos, Indian rhinoceros, giraffes, zebras, ostriches, tigers, deer . Mountains: highlands -yaks, snow leopards, eagles, mountain goats • Polar Regions: (cold regions) ~ polar bears, musk oxens, penguins . Oceans: sea-whales, dolphins, seals, octopuses, lobsters.

Some Endangered Animals

Giant Panda: Habitat- China. As few as 1000 Pandas remain in the mountains of southwest China • Leather-back Sea Turtle: Habitat. It is the largest living turtle living in the world. Habitat destruction, fishing nets, harvesting of its eggs are the biggest threats to their survival • California Condor: Habitat - N. America. There are just 60 of them alive in the wild. Of which half live in the State of Arizona, USA • Whooping Crane: Habitat - North America. In 2003, 15 whooping cranes migrated back north on their own for summer.

Biodiversity

Our planet is shared by 6.4 billion people and millions of species. The wide variety of life on Earth, as shown by the many species, is called biodiversity. Here is a sample of Earth's biodiversity. (The figures are estimates as new species are discovered all the time) Species: Mammai - 9000 (rodents 1700, bats 1000); Birds - 9000; Reptiles - 8000 (snakes 2900, lizards 4500); Amphibians - 5000 (frogs/toads 4500); Fish - 24,500 (sharks 350, bony fish 23000, rays & skates 450); Arthopods - 1.1 million (crustaceans 44000, insects 750000,

ज्ञानित क्रमन्त्र विद्वाचित

World Environment Day celebrations for 2006 was held in Algiers with the theme "Don't Desert Drylands!". 2006 was also the UN International Year of Deserts and Desertification. The Global Deserts Outlook is the first thematic report in the Global Environment Outlook (GEO) series of environmental assessments by UNEP.

The world's deserts are facing great changes as a result of global climate change, high water demands, tourism and salt contamination of irrigated soils.

Desert margins and so called 'sky islands'-mountain areas within deserts that have been important for people. wildlife and water supplies for millennia-are under particular threat.

Some Key Facts

Almost one-quarter of the earth's land surface - some 33.7 million square kilometres - has been defined as "desert" in some sense. These deserts are inhabited by over 500 million people, significantly more than previously thought. Most of the 12 desert regions, whose future climate has been modeled, are facing a drier future with rainfall in some cases forecast to be 10 to 20% lower by the end of the century. The Dashti Kbir desert in Iran has seen a 16% fall per decade in rainfall during this same period: the Kalahari in South Africa a 12% decline and the Atacama desert in Chile, an 8% drop. The desert fringes in many places, however, suffer high pressures from human activities and include several of the most threatened terrestrial ecoregions of the world.

spiders 35000); Plants - 260000 (flowering plants 250000, evergreens 550).

Today, replacement of the communities of nature by man-made communities has become the new reality.

To safeguard life on Earth, people must learn to control and adjust the balances in nature that are altered by their activities.

Earth Day April 22 is a day dedicated not just to

recognise the beauty and riches of the Earth but also to make the Earth a healthier and safer place to live. Speeches, workshops, parades and demonstrations on the occasion of Earth Day have brought awareness about the dangers of overpopulation, energy waste, and other issues of vital concern. Earth Day was first observed on April 22, 1970 with the message "Give Earth a Chance" and intention to reclaiming the purity of the air, water and living environment.

World Environment Day

The UN General Assembly designated June 5 as World Environment Day, to deepen public awareness the need to preserve and enhance the environment. It was on that day the UN Conference on the Human Environment (Stockholm, 1972) started. The Assembly reconvened United Nations Conference on Environment and Development (UNCED) after 20 years, in Rio de Janeiro, where nations took up the challenges of a viable and equitable balance between environment and development and a sustainable future for the earth and its people.

International Agreements to Conserve Birds: Ramsar Convention on Wetlands (1971) Nearly 1,200 wetland sites in 133 countries, totaling 103 million hectares, have been designated for protection and monitoring under

this international agreement to conserve wet-

land and use them sustainably . Program on

Environmental Conferences

The Stockholm Conference 1972:

United Nations Environmental Agency

organised the International Conference

on Human Environment, at Stockholm from 5 to 14 June 1972 - represented by 114 nations. The conference adopted the motto "Only One Earth" for the entire humanity. The Conference declared June 5 as the World Environment Day. Nairobi Conference: In 1982, UN Conference on Environment adopted a report "The World Environment 1972-

82". It was a stock taking exercise. Helsinki Conference 1989 decided to protect Ozone layer, phase out CFCs London Conf. ('90) phase out CFCs

- '96, CTC-'96, Halon-2000, HCFC-2030
The Rio summit 1992: The UN convened "Earth Summit" at Rio de Janeiro to foster "our common future" from 03 to 14th June; discussed 6 conspicuous

Copenhagen Conf. ('92) phase out CFC

to foster "our common future" from 03 to 14th June; discussed 6 conspicuous issues: 1.GHG Emission 2.Forests, 3. TechnologyTransfer, etc. The Earth Summit Agenda 21—a blue print for sustainable development.

Kyoto Summit, 1997, Japan, The conference was meant to set a framework

for international action to mitigate global warming for at least next 10 years. World Summit on Sustainable Development, 2002, Johannesberg, Aug. 26 to Sept. 4. Over 4000 delegates from about 100 countries met to discuss issues including environment. Stockholm Convention 2004: May

Stockholm Convention 2004: May 17, decided to phase out 12 dangerous pesticides and industrial pollutants.

Montreal Summit 2005: to speed up

Convention (1972) Under UNESCO, these nitiatives set a framework for designating, protecting and monitoring some of the world's most important biodiversity and cultural hotspots. • Convention on International Trade in Endangered Species of Wild Fauna and Flora (1975) An international agreement by 160 countries to monitor international trade in wild animals and plants and ensure that trade does not put wildlife in jeopardy . Convention on the Conservation of Migratory Species of Wild Animals (1983) Eighty countries have signed this agreement, also known as the Bonn Convention, to protect migratory wildlife species, including birds, throughout their international migratory, breeding, and wintering areas . Convention on Biodiversity (1992) A total of 185 countries have signed on to this agreement, which was introduced at the Earth Summit in Rio in 1992. Signatories promise to set up for protecting their biodiversity, including habitat protection and restoration.

Water Resources Day

World Water Resources Day is celebrated everyyear on 22 March with a specific theme. The theme of 2004 was 'Efficiency of Water Resources System' with sub-themes on critical review of current level of efficiency and measures for improving efficiency of water resources systems. The 2004 Water Resources Day –function organised by the Central Water Commission (CWC) highlighted the judicious utilisation of the available water resources in India and the need to conserve these resources to the optimum.

The average run-off in the river system of the country has been assessed as 1869 cubic kilometres. Of this, the utilisable portion by conventional storage and diversion is estimated as about 690 cubic kilometres. In addition, the replenishable ground water potential is estimated to be 432 cubic kilometres.

The per capita availability of water at national level has reduced from about 5177

cubic metres in 1951 to the estimated level of 1869 cubic metres in 2001. The availability of water resources on an annual basis is almost fixed whereas the demands from various sectors are gradually increasing.

Dinosaurs World

Dinosaurs roamed the Earth during the Mesozoic Era. Mesozoic Era is divided into 3 periods: Triassic Period (225-195 million years) Pangea – a united super continent Morganucodon, the earliest known mammals appear (looked like a tiny rat) • Evergreen plants existed everywhere • Eoraptor (or dawn thief) appears; the earliest known dinosaurs was about 1.00 metres long and a meat eater • Herrersaurus appears; was 3.00 metres long and meat eater Plesiosaurs, a long-necked large marine reptile and Ichthyosaurs, looked like dolphin, ruled the seas. Jurassic Period (195 to 135 million years) • Flowering plants appear • Saurccode (plant eaters) like Apatosaurus, the decemes lizard, (21 metres long, lived in W. LS == Brachiosaurus - the biggest land and and and lived. They were eaten up by Allosaurus and Megalosaurus • -----appears - supposed to have feeting its in-Pterosaurs, flying reptiles and the same of the same o saurs, ruled the sky • Stagesand Tables lizard, ate plants, about 130 meeting lied in N. America. Crescours million years) • rc roz = eres Velociraptors, the seeded lived in Asia It was a series and a series are a series and a series and a series and a series and a series a atops (3-homed face the new _____ metres long Hadrosaum Sepplem Emper II metreslong are variable in the second and the second are second as the SAmeriz • Terroris the type in the Comments lived in the Village lands at Comment and the second ME - AUTO TO THE TOTAL TO THE King and the second second ರ್ಷವರ್ಷದ ಹಾಗ

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Number US & France			UK & Other European nations			India
1 & 5 zeros	One Hundred	Thousand	One Hundred Thous	and		One Lakh
" 6 zeros	Million		Million			Ten Lakh
" 7 zeros	Ten Million		Ten Million			One Crore
,, 8 zeros	Hundred Milli	on	Hundred Million			Ten Crore
" 9 zeros	Billion		Milliard (Thousand N	Aillion)		Hundred Crore
" 12 zeros	Trillion		Billion			••••
" 15 zeros	Quadrillion		Thousand Billion		٠.	••••
" 18 zeros	Quintillion	•	Trillion			••••
• •	Sextillion		Thousand Trillion			****
**	Septillion		Quadrillion			••••
**	Octilion		Thousand Quadrillion	1		••••
	Nonillion		Quintillion			****
., 33 zeros	Decillion		Thousand Quintillion			••••
* The word 'billi	on' wherever it is us	ed in this boo	ok means a 'thousand millio	n' (Americar	n sens	e) unless otherwise
Traditional p	aper size ·		Letter 216 x 2	79 mm		
•	13 x 432 mm		Legal 216 x 3	56 mm		
Crown 381 x			-			
			Ledger 432 x 279 mm-			
_	19 x 533 mm		Book size		_	ě
Demy 445 x	= ''		Crown quarto	189 x 24	16 m	m
Medium 457 x 584 mm			Crown octavo	123 x 18	36 m	m
Royal 508 x 635 mm			Large crown of	uarto 20	1 x 2	58 mm
Elephant 508 x 686 mm			Large crown o	ctavo 12	9 x 1	98 mm
Imperial 559 x 762 mm			Demy quarto			
Office Paper			Demy octavo			
	27 x 203 mm		•			
			Royal quarto			
Executive 18			Royal octavo	156 x 234	mm	i e
Foolscap 203	3 x 330 mm		Paperback A f	ormat 11	1 x 1	78 mm
Folio/F4 210	x 330 mm		Paperback 8 f	ormat 129	9 x 1	98 mm
Internation	nal Paper S	izes				
A series		85	176 x 250	1		
'A0	841 x 1189	86	125 x 176	1		
A1	594 x 841	87	88 x 125	}	A:	2
A2 A3	420 x 594	88	62 × 88	1		1
A4	297 x 420 210 x 297	89	44 x 62	{		- (
AS	148 x 210	810	31 × 44			
A6	105 x 148	C Series		L		
A7	74 x 105	CO	917 x 1297	·		
A8	52 x 74	Ċ1	648 × 917			
A9 A10	37 x 52	C2	458 x 648	A4		
AIU	26 x 37	C3	324 x 458			A3
B Series		C4 C5	229 x 324	1 16		
80	1000 x 1414	C6	162 x 229 114 x 162	A6	AS	[]
B1	707 - 1000	C0	114 X 104	1 } }	N	}

PANORID PANORIUM

PART 06

Mallone of the World

Asia

Africa

Europe

North America

	The B	iggest and	The Smallest	States	
	viesige	3	ij	ite Small	ii.
	In Area			In Area	
State	Area (Sq km)	Location	State Ar	ea (sq km)	Location
Russia	17,075,000	Europe-Asia	Vatican City	0.44	Europe
Canada	9,976,139	N. America	Monaco	1.95	Europe
China	9,561,000	Asia	Nauru	21.10	S. Pacific
U.S.A.	9,372,614	N. America	Tuvalu	26.00	S. Pacific
Brazil	8,511,965	S. America	San Marino	<i>6</i> 1.00	Europe
Australia	7,682,300	S. Pacific	Liechtenstein	160.00	Europe
India	3,287,263	Asia	Marshall Island	s 181.00	C. Pacific
Argentina	2,776,654 S.	America	St.Kitts-Nevis	269.00	E.Caribbean
Kazakhstan	2,717,300	Asia	Maldives	298.00	Indian Ocean
Sudan	2,505,813	Africa	Malta	316.00	Mediterranean
In Population			1	n Populatio	on
State	Population	Location	State	Population	Location
China	1,313,973,713	Asia	Vatican City	932	Europe
India	1,095,351,995	Asia	Tuvalu	11,810	S. Pacific
USA	298,444,215	N. America	Nauru	13,287	S. Pacific
Indonesia	245,452,739	Asia	Palau	20,579	W.Pacific
Brazil	188,078,227	S. America	San Marino	29,251	Europe
Pakistan	165,803,560	Asia	Monaco	32,543	Europe
Bangladesh	147,365,352	Asia	Liechtenstein	33,987	Europe
Russia	142,893,540	Europe-Asia	St. Kitts-Nevis	39,129	E.Caribbean
Nigeria	131,859,731	Africa	Marshal Islands	60,422	N. Pacific Ocean
Japan	127,463,611	Asia	Antigua and		
jupurt	127,403,011		<u>Barbuda</u>	69,108	Caribbean
	V	Vorld Pop	ulation-200	6	7
Continent		Population	Continents		Population

3,913,842,171

891,437,541

729,341,014

512,422,558

South America

Antarctica

Total

Australia/Oceania

371,271,037 32,,744,469

6,451,058,790

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Country		Region	Capital	Currency	
1.	Afghanistan	S.C. Asia	Kabul	Afgani	
2.	Albania	S. Europe	Tirana	Lek	
3.	Algeria	N. Africa	Algiers	Algerian Dinar	
4.	Andorra	S. Europe	Andorra la Vella	Euro	
5.	Angola	M. Africa	Luanda	readjusted Kwanza	
6.	Antigua and Barbuda	Caribbean	St.John's	Eastern Caribbean Dollar	
7.	Argentina	S. America	Buenos Aires	Peso	
8.	Armenia	W. Asia	Yerevan	Dram	
9.	Australia	Oceania	Canberra	Australian Dollar	
10.	Austria	W. Europe	Vienna	Euro	
11.	Azerbaijan	W. Asia	Baku	Manat	
12.	Bahamas, The	Caribbean	Nassau	Bahamian dollar	
13.	Bahrain	W. Asia	Manama	Bahraini Dinar	
14.	Bangladesh	S.C.Asia	Dhaka	Taka	
15.	Barbados	Caribbean	Bridgetown	Barbados dollar	
16.	Belarus	E. Europe	Minsk	Rouble	
17.	Belgium	W. Europe	Brussels	Euro	
18.	Belize	C. America	Belmopan	Belize dollar	
19.	Benin	W. Africa	Porto-Novo	Franc CF4	
20.	Bhutan	S.C Asia	Thimphu	Ngultur	
21.	Bolivia	S. America	Sucre	Solivano	
22.	Bosnia Herzegovina	S. Europe	Sarajevo	Konvetibina mana	
23.	Botswana	S. Africa	Gaborone	Pula	
24.	Brazil	S. America	Brasilia (Federal)	₹≘	
25.	Brunei	S.E. Asia	Bandar Seri Begawan	Sine mis	
26.	Bulgaria	E. Europe	Sofia	<u>=</u>	
27.	Burkina Faso	W. Africa	Ouagadougou	مير يسيد	
28.	Burundi	E. Africa	Bujumbura		
29.	Cambodia	S.E. Asia	Phnom Ferr	Fæ	
30.	Cameroon	M. Africa	Yaounde	F== 3-	
31.	Canada -	N. America	Ottawa		
32.	Cape Verde	W. Africa	Praia	Ten ======	
33. 34.	Central African Republic	M. Africa	Eargu		
٦٩.	Chad	M. Africa	N'Djameta	Factor Factor	

•				
35.	Chile	S. America	5antiago (Adm) Valparaiso (Leg)	Chilean peso
B6.	China	E. Asia	Beijing	Renmminbi Yuan
37.	Colombia	S. America	Bogota	Colombian Peso
BB.	Comoros, The	E. Africa	Moroni	Comorian Franc
B9.	Congo (formerly Zaire)	M. Africa	Kinshasa	Congo Franc
40.	Congo	M. Africa	Brazzaville	Franc CFA
41.	Costa Rica	C. America	San lose	Costa Rican Colon
42.	Cote D' Ivoire	W. Africa	Yamoussoukro	Franc CFA (XOF)
43.	Croatia	S. Europe	Zagreb	Kuna
44.	Cuba	Caribbean	Havana	Cuban peso
45.	Cyprus	W. Asia	Nicosia	Cyprus Pound
46.	Cyprus, Turkish	W. Asia	Nicosia	Cyprus Pound
47.	Czech Republic	E. Europe	Prague	Koruna
4B.	Denmark	N. Europe	Copenhagen	Danish Krone
49.	Djibouti	E.Africa	Djibouti	Djibouti Franc
50.	Dominica	Caribbean	Roseau	East Carribbean Dollar
51.	Dominican Republic	Caribbean	5anto Domingo	Peso
52.	East Timor	S.E. Asia	Dili	US Dollar
53.	Ecuador	S. America	Quito	US Dollar
54.	Egypt	N. Africa	Cairo	Egyptian Pound
5 5.	El Salvador	C. America	San Salvador	Colon
56.	Equatorial Guinea	M. Africa	Malabo	Franc CFA (XAF)
57.	Eritrea	E. Africa	Asmara	Nakfa
5B.	Estonia	N. Europe	Tallinn	Kroon
59.	Ethiopia	E. Africa	Addis Ababa	Birr
60.	Fiji Islands	Oceania	Suva	Fiji Dollar
61.	Finland		· Helsinki	Euro
62.	France	W. Europe	Paris	· Euro
63.	Gabon	M. Africa	Libreville	Franc CFA
64.	Gambia, The	W. Africa	Banjul	Dalasi
65.	Georgia	W. Asia	Tbilisi	Lari
66.	Germany	W. Europe	Berlin	Euro
67.	Ghana	W. Africa	Accra	Cedi
6B.	Greece	S. Europe	Athens	Euro
69.	Grenada	Caribbean	5t. George's	Eastern Carribbean Dollar
70.	Guatemala	C. America	Guatemala City	Quetzal
71.	Guinea	W. Africa	Conakry	Guinean Franc
72.	Guinea-Bissau	W. Africa	Bissau	Franc CFA
73.	Guyana	S. America	Georgetown	Guyana Dollar
74.	Haiti	Caribbean	Port-au-Prince	Gourde
75.	Honduras	C. America	Tegucigalpa	Lempira
76.	Hungary	E. Europe	Budapest	Forint

		•	
Iceland	N. Europe	Reykjavik	Krona
India	S.C. Asia	New Delhi	Rupee
Indonesia	S.E.Asia	Jakarta	Rupiah
Iran	S.C. Asia	Tehran	Rial
Iraq	W. Asia	Baghdad	Iraqi Dinar
Ireland	N. Europe	Dublin	Euro
Israel	W. Asia	Jerusalem	Shekel
. Italy	S. Europe	Rome	Euro
. Jamaica	Caribbean	Kingston	Jamaican Dollar
, Japan	E. Asia	Tokyo	Yen
7. Jordan	W. Asia	Amman	Jordan Dinar
8. Kazakhstan	S.C. Asia	Astana	Tenge
9. Kenya	E. Africa	Nairobi	Shilling
)0. Kiribati	Oceania	Bairiki (Tarawa)	Australian Dollar
21. Korea, North	E. Asia	Pyongyang	won
72. Korea, South	E. Asia	Seoul	Won
93. Kuwait	W. Asia	Kuwait	Kuwaiti Dinar
94. Kyrgyzstan	S.C. Asia	Bîshkek	Som
95. Laos	S.E. Asia	Vientiane	Kip
96. Latvia	N. Europe	Riga	Lats
97. Lebanon	W. Asia	Beirut	Lebanese Pound
98. Lesotho	S. Africa	Maseru	Loti
99. Liberia	W. Africa	Monrovia	Liberian Dollar
100. Libya	N. Africa	Tripoli	Libyan Dinar
101. Liechtenstein	W. Europe	Vaduz	Swiss Currency
102. Lithuania	N. Europe	Vilnius	Litas
103. Luxembourg	W. Europe	Luxembourg	Euro
104. Macedonia	S. Europe	Skopje	Denar
105. Madagascar	E. Africa	Antananarivo	Malagasy Franc
106. Malawi	E. Africa	Lilongwe	Kwacha
107. Malaysia	S.E. Asia	Putrajaya (Adm) Kuala Lumpur (Fin.)	Ringgit
108. Maldives	S.C. Asía	Male	Rufiyaa
109. Mali	W. Africa	Bamako	Franc CFA
110. Malta	S. Europe	Valletta	Maltese Lira
111. Marshall Islands	Oceania	Majuro Atoll	US Currency
112. Mauritania	W. Africa	Nouakchott	Ouguiya
113. Mauritius	E. Africa	Port Louis	Mauritius Rupee
114. Mexico	C. America	Mexico City	Mexico Peso
115. Micronesia	Oceania	Palikir	US Currency
116. Moldova	E. Europe	Chisinau	Leu
117. Monaco	W. Europe	Monaco	Euro
118. Mongolia	E. Asia	Ulan Bator	Tugrik
			-

		C.E. Europa	Podgorica	Euro
119.	Montenegro	S.E. Europe N. Africa	Rabat	Dirham
120.	Morocco			Metical
121.	Mozambique	E. Africa	Maputo	Kyat
122.	Myanmar	S.E. Asia	Yangon (Rangoon) Windhoek	Namibia Dollar
123.	Namibia	S. Africa	**********	Australian Dollar
124.	Nauru	Oceania	Yaren Kathmandu	Nepalese Rupee
125.	Nepal	S.C. Asia	***************************************	Euro
126.	Netherlands, The	W. Europe	Amsterdam	New Zealand Dollar
127.	New Zealand	Oceania	Wellington	
128.	Nicaragua	C. America	Managua	Cordobas
129.	Niger	W. Africa	Niamey	Franc CFA
130.	Nigeria	W. Africa	Abuja	Naira
131.	Norway	N. Europe	Oslo .	Norwegian Krone
132.	Oman	W. Asia	Muscat	Rial Omani
133.	Pakistan	S.C. Asia	Islamabad	Pakistan Rupee
134.	Palau	Oceania	Koror	US currency
135.	Palestine*	W. Asia	Ramallah	New Shekel
136.	Panama	C. America	Panama City	Balboa
137.	Papua New Guinea	Oceania	Port Moresby	Kina
138.	Paraguay	S. America	Asuncion	Guaranl
139.	Peru	S. America	Lima	Nuevo Sol
140.	Philippines, The	S.E. Asia	Manila ·	Peso
141.	Poland	E. Europe	Warsaw	Zlotý
142.	Portugal	S. Europe	Lisbon	Euro
143.	Qatar	W. Asia	Doha	Qatari
144.	Romania	E. Europe	Bucharest	Leu
145.	Russla	E. Europe	Moscow	Rouble
146.	Rwanda	E. Africa	Kigali	Rwanda Franc
147.	Samoa	Oceania 🏒	Apia ·	Tala
148.	San Marino	S. Europe	San Marino	Euro
149.	Sahrawl Arab Demo* Rep. (S.A.D.R.),			
150.	Western Sahara Sao Tome & Principe	El-Aaiun M. Africa	Sao Tome	N. Africa
151.	Saudi Arabia	W. Asia	Riyadh	Dobra Rial
152.	Senegal	W. Africa	Dakar	Franc CFA
153.	Serbia	5. Europe	Belgrade	Dinar
154.	Seychelles	E. Africa	Victoria	Seychelles Rupee
155.	Sierra Leone	W. Africa	Freetown	Leone
156.	Singapore	S.E. Asia	Singapore City	Singapore Dollar
157.	Slovakia	E. Europe	Bratislava	Slovak Koruna
• .	Slovenia	S. Europe	Ljubljana	Tolar
	Solomon Islands	Oceania	Honiara	Solomon Island Dollar
	Somalia	E. Africa	Mogadishu	Somali Shilling
			900.3.10	Jonan Jiming

St. Kitta and reeks	Calibbeali	passetette	Camppean dollar
St. Lucia	Caribbean	Castries	Cambean Dollar
St. Vincent and			
he Grenadines	Caribbean	Kingstown	East Caribbean Dollar
. Sudan	N. Africa	Khartoum	Sudanese Pound
Suriname	S. America	Paramaribo	Suriname Guilder
. Swaziland	S. Africa	Mbabane	Lilangeni
. Sweden	N. Europe	Stockholm	Krona
. Switzerland	W. Europe	Berne	Swiss Franc
. Syria	W. Asia	Damascus	Syrian Pound
. Taiwan	S. Asia	Taipei	New Taiwan Dollar
. Tajikistan	S.C. Asia	Dushanbe	Tajik Rouble
. Tanzania	E. Africa	Dodoma	Tanzanian Shilling
. Thailand	S.E. Asia	Bangkok	Baht
. Togo	W. Africa	Lome	Franc CFA
. Tonga	Oceania	Nuku alofa	Paanga
. Trinidad and Tobago	Caribbean	Port-of-Spain	Trinidad and Tobago Dollar
. Tunisia	N. Africa	Tunis	Tunisian Dinar
. Turkey	W. Asia	Ankara	Turkish Lira
. Turkmenistan	S.C. Asia	Ashgabat	Manat
. Tuvalu	Oceania	Fongafale(Funa	futi) Australian Dollar
. Uganda	E. Africa	Kampala	Uganda Shilling
. Ukraine	E. Europe	Kyiv	Hryvna
. United Arab Emirates	.W. Asia	Abu Dhabi	Dirham
. United Kingdom	N. Europe	London	Pound Sterling
. United States of America	N. America	Washington	D.C. Dollar
. Uruguay	S. America	Montevideo	Uruguayan Peso
. Uzbekistan	S.C. Asia	Tashkent	Soum
. Vanuatu	Oceania	Vila	Vatu
. Vatican City	S. Europe	Vatican City	Euro
. Venezuela	S. America	Caracas	Bolivar
. Vietnam	S.E. Asia	Hanoi	Dong
. Yemen	W. Asia	Sana'a	Riyal
. Zambia	E. Africa	Lusata	Kwacha
. Zimbabwe	E. Africa	Harare	Zimbabwe Dollar
em Asia; S.E. Asia: South East Asia; S	S.C. Asia: South Co	entral Asia; S. America	rrope; W. Asia: Western Asia; E. Asia: : South America; N. America: North ica; S. Africa:South Africa; M. Africa:
			Manorama Yearbook 2007

S. Europe

S.C. Asia

Caribbean

Madrid

Colombo

Basseterre

Euro

Sri Lankan Rupee

Cambbean dollar

, Spain

. Sri Lanka

, St. Kitts and Nevis

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1. Afghanistan

Islamic State of Afghanistan



Capital: <u>Kabul</u>; Other Large Cities: Kandahar, Herat, Mazare-Sharif; Area: 647,497 sq.km; Population: 31,056,997; Languages: Pushtu and Persian; Religions: Sunny Muslim-80%, Shia Muslim-19%, othe rs-1%; Literacy: 36%; Life Expectancy: 43.34; Currency: Afghani (\$1=43); p.c.l: \$ 800; Date of Independence: 19th August 1919.

Government Type: Islamic Republic; President: Hamid Karzai,

History: Afghanistan is a land-locked republic in Central Asia known originally as Aniana or Bactria, then as Khorasan (the land of the Rising Sun). Afghanistan has suffered from such chronic instability and conflict during its modern history that its economy and infrastructure are in ruins, and many of its people are refugees. Monarchy was overthrown in 1973, and a marxist 'people's republic' was created by Noor Taraki's coup of 1978. In 1986, Lt. Gen. Najibullah became President. Soviet troops, which had occupied

Note: p.c.i.: per capita income: GNI per capita (PPPS).
The boundaries of maps not true to scale.

the country in 1979, faced resistance from Afghan tribesmen 'Mujahideen' (holy warnors). Soviet troops were withdrawn in 1989. In Feb. a military council headed by Najibullah was announced. Afghan rebels elected Sigbha-tullah Mojaddidi as President of an interim government in exile. He handed over power to a Mujahideen leadership council.

The Mujahideen factions that captured Kabul in Apr. '92 began internecine fighting. Half the population of Kabul fled the city. In January 1994 President Burhanuddin Rabbani and PM Gulbuddin Hekmatyar parted ways. A few months later a newly formed Islamic movement 'Taliban' (i.e. 'students of religion') emerged as a new force. In 1995, they were in control of around a third of the country. In June 1996, Gulbuddin Hekmatyar again joined Rabbani and was swom in PM but Rabbani was overthrown in Sept. by Taliban which imposed harsh Islamic laws and executed former President Najibullah. A Taliban offensive on 27 December, 1996 gave Taliban contròl of 90% of the country. In November, Taliban was overthrown by the Northern Alliance with US support. On April 18, 2002, former King of Afghanistan, Mohammed Zahir Shah, returned to Kabul after 29 years in exile in Italy. In June, Hamid Karzai, leader of the interim administration, was elected in a landslide vote to be the next President, NATO took command of the 5000-strong international peacekeeping force in Kabul in August.

Economy: Agriculture is the mainstay of the economy. The principal crop is wheat. Animal husbandry is important for meat, milk and wool. Chief mineral resource: natural gas. The main industrial activity is the manufacture of woollen and cotton textiles; traditional handicrafts and woven carpets are important exports. Afghanistan produces 3400 tonnes of opium worth (\$1.2b.) a year.

Recent Events: In January 2006, more than 30 people were killed in a series of suicide attacks in southern Kandahar province. International donors meeting in London pledged more than \$10 bn in reconstruction aid for five years. In May-June scores of people were killed in battles between Taliban fighters and Afghan and coalition forces in the south during an offensive known as Operation Mountain Thrust.

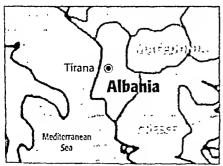
Mission in India: Embassy of Afghanistan, 5/50F, Shantipath, Chanakyapuri, New Delhi-110?021. Tel: 26883602, 24103331, 24100412; Fax: 26875439.

E-mail: afghanembassy@rediffmail.com Indian Mission in Afghanistan (Temporarily closed): Embassy of India, Malalai Wat, Shahre-Nau, Kabul, Afghanistan.

Tel: 00-873-763095560; Fax: 00-873-763095561. E-mail: indembkabul@nic.in

2. Albania

Republic of Albania (Republika e Shqi-perise)



Capital: Tirana; Area: 28,748 sq. km; Population:3,581,655; Languages: Albanian, Greek; Religions: Islam-70%, Albanian Orthodox-20%; Roman Catholic-10%; Literacy: 86.5%; Life Expectancy: 77.43; Currency: Lek (\$1=97.50); p.c.i.: \$ 4,900; Date of Independence: 28th November, 1912.

First Atheist Country

Albania was the only officially atheist country in the world (1967-1990). Under Communist rule, all forms of religion, including private prayer in the home and owning religious icons, were forbidden. Today, religious freedom is entrenched in Albanian law, but the legacy of 50 years without religion is that many established denominations are as foreign to most Albanians as the average cult.

Government Type: Democracy; President: Alfred Moisui; PM: Sali 8erisha.

History: Albania lies on the west coast of the Balkan peninsula in south-east Europe. Albania was established as an independent state in 1912. Republic was formed in 1920. After world War II, Albania became a Stalinist state under Enver Hoxha, and remained staunchly isolationist until its transition to democracy after 1990. The 1992 elections ended 47 years of communist rule. It became Europe's first muslim state in Dec. 1992.

Albania descended into anarchy and chaos in early 1997 when widespread protests over failed high-risk investment funds (pyramid finance scheme) tumed into a drive to oust the government of Dr. Sali Berisha, which was blamed for allowing fraudulent investment schemes and accused of profiting from them. Violence erupted and Albanians fled by the thousands to Greece and Italy. Security Council authorised a UN force for Albania. Elections were held in June-July. Berisha quit in disgrace.

People are mostly Muslims. Public worship was outlawed in 1957. The right to practise religion was restored in 1990. Liberalisation measures included freedom to travel abroad. Albania left the Organisation of Islamic Conference (OIC) in Aug. '98.

Manorama Yearbook 2007

Economy: More than half of GDP comes from agriculture, though despite extensive terracing only around one-quarter of the country is suitable for arable farming. Important minerals: coal, oil, chrome, copper and nickel. Industries: textiles, woollen fabrics, leather goods, petrol, cement, sugar, beer and cigarettes.

Mission in India: Embassy of Albania stationed at Cairo.

3. Algeria

People's Democratic Republic of Algena (Al-3.



Jumhunya Al-Jaazairiya ad-Dimuqratiya ash-Shabiya)

Capital: Algiers; Other Large Cities: Oran, Constantine, Annaba; Area: 2,381,741 sq.km; Population: 32,930,091; Languages: Arabic, Berber and French; Religions: Islam-99%, Christian and Jewish-1%; Literacy: 70%; Life Expectancy: 73.26; Currency: Dinar (DA) (\$1=73.285); p.c.l: \$7,200.; Date of Independence: 5th July, 1962.

Government Type: Republic; President: Abdelaziz Bouteflika.PM: Abdelaziz Belkhadem.

History: Algeria, formerly a French colony, is an independent republic in north west ?Africa and extends for 1000 km along the shores of the Mediterranean. Algeria became an independent republic in 1962.

Thousands have lost their lives in a civil war that started in 1992. Islamic fundamen-

talist party (Islamic Salvation Front) claims it was stripped of an electoral victory in the 1992 general elections. Elections were held in June '97 and the country's first multi-party legislature-was swom in. Massacres continued. Gradually peace returned to Algeria. A referendum was held in Sept. '99 on the peace plan to end the 7-year Islamic insurgency. About 100,000 people have been killed during the insurgency.

Economy: Agricultural products include wheat, barley, potatoes, artichokes, flax and tobacco. Fruits like dates, pomegranates and figs grow in abundance. Wine and olive oil are also produced. Chief occupation: cattle raising. Minerals :iron, zinc, mercury, copper, antimony, phosphates and petroleum. Industries: oil, light industry, food processing.

Mission in India: Embassy of the People's Democratic Republic of Algeria, E-6/5, Vasant Vihar, New Delhi-110?057.Tel: 26146706, 26147036, 26147611; Fax: 26147033

E-mail: embalgindia@hotmail.com Indian Mission in Algeria: Embassy of In-

dia, 14, Rue des Abassides, Post Box No. 108 El-Bias- 16030 Algiers, Algeria. Tel: 00-213-21-923288; Fax: 00-213-2-924011.

Email: indemb@wissal.dz

4. Andorra

Principality of Andorra (Principat d' Andorra)



Capital: Andorre-la-Vieille; Area: 464 sq.km; Population: 71,201; Languages: Catalan.

French, Castilian; Religions: Predominantly Roman Catholic; Literacy: 100%; Life Expectancy: 83.5; Currency: Euro (\$1=0.79120); p.c.i: \$ 24,000; Date of Independence: 1278 (was formed under the joined suzerainty of the French count of Foix and the Spanish bishop of Urgel).

Government Type: Parliamentary Democracy; Head of State: President of France and the Bishop of Urgel (Spain) as co-princes. Head of govt: Albert Pintat Santolaria.

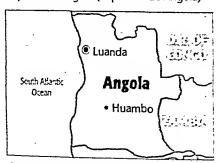
History: The co-principality of Andorra, founded in 1278, lies in the valleys of Eastern Pyrenees, between France and Spain.

Andorra, autonomous and semi-independent, got a constitution in 1993, adopted a parliamentary system and became the 184th member of the UN. It is nominally subject to the suzerainty of France and the Bishop of Urgel in Spain. The government is camed on by a council of 28 elected members.

Economy: Andorra is an agricultural country. Crops: cereals, potatoes and tobacco. Products: iron, lead, alum, stone and timber. Tourism especially skiing is the main source of income.

5. Angola

Republic of Angola (Republica de Angola)



Capital: Luanda; Other Large Cities: Huambo, Lubango; Area: 1,246,699 sq.km; Population: 12,127,071; Languages: Portuguese, Bantu; Religions: Indigenous beliefs 47%, Roman Catholic-38%, Protestant-15%; Literacy:

Angolan Media

Angola's only dally newspaper, Journal de Angola, and the terrestrial TV service TPA are state-owned. Private radio stations operate in the main cities, including Catholic station Radio Ecclesia, but staterun radio is the only available broadcaster across much of the country.

66.8%; Life Expectancy: 36.79; Currency: Readjusted Kwanza (\$1=80.3749); p.c.l: \$3,200; Date of Independence: 11th November, 1975.

Government Type: Republic; President: Jose Eduardo dos Santos; PM: Fernando da Piedade Dias dos Santos.

History: Angola, (formerly Portuguese West Africa), which lies in South West Africa on the Atlantic coast, became an independent state in 1975.

A 16-year Civil War ended in 1991 but fighting between MPLA (People's Liberation Movement of Angola) and UNITA (National Union for the Total Independence of Angola) broke out again. Elections were held in 1992 but fighting continued into 1993 and 1994. A new peace treaty was signed in Nov. 94 but little was gained. In August, '95, rebel (UNITA) leader Jonas Savimbi accepted the invitation to become Vice President in a coalition government to be formed after nearly two decades of civil war that devastated the country.

Apr.11, 1997, saw a ceremony marking the end of the Angolan civil war that killed half a million people, and the formation of a national unity government. In March, '98, Angolan govt. legalized UNITA. Another deadline was set for the final implementation of the Lusaka Protocol marking the end of civil war in Angola. August saw signs of the country sliding back into old tribal and regional animosities. The UN ended its mission

in Angola in March '99. Rebels captured most parts of the country. Jonas Savimbi , the UNITA leader, was killed in 2003.

Economy: Food crops: millet, maize, bananas and cassava. Cash crops: coffee, cotton, oil palm and sisal. Industries: textiles, brewing, cement, oil refining and sugar. Producing 700,000 barrels a day. Angola is the second largest oil-producer in sub-Saharan Africa (behind Nigeria). Angola produces about one-tenth of the world's gemstones. Exports: crude petroleum, coffee, diamonds, iron ore, fish, sisal and timber.

Recent Events: Outbreak of the killer Marburg virus claimed 180 lives in the Angolan town Viga.

Mission in India: Embassy of the Republic of Angola, 5/50 F, Nyaya Marg, Chanakya puri, New Delhi-110 021; Tel: 26110701, 26882680; Fax: 26110701, 24673787.

E-mail: xietuang@del2.vsnl.net.in.
Consulate: Mumbai: Tel:22851430/1457/

6070,Fax:22875467.
E-mail: maria@bom3. vsnl.net.in

E-mail; maria@bom5. vsm.net.m

Indian Mission In Angola: 18A Rua Marques das Minus, Caixa Postal 6040, Maculusso, Luanda, Angola. Tel: (00 2442) 392281, 371089, Fax (00 2442) 371094. F-mail: indembluanda@ebonet.net

t-mail: indembibanda@ebonet.net

6. Antigua & Barbuda



Capital: St. John's; Area: 442 sq km; Population: 69,108; Languages: English and Patois; Religions: Predominantly Protestant, some

Roman Catholic; Literacy: 85.8%; Life Expectancy: 72.16; Currency: East Caribbean Dollar US (\$1=2.70); p.c.i: \$11,000; Date of Independence: 1st Nov., 1981.

Government Type: Constitutional monarchy with UK-style Parliament; Governor-General: James Carlisle; PM: Wintson Baldwin Spencer.

History: Antigua and Barbuda, part of the Islands of British West Indies, comprises three Islands: Antigua, Barbuda and (uninhabited) Redonda. Columbus landed on Antigua in 1493. Became independent on Nov. 1, 1981.

The population is of mixed European-Negro origin, About 3000 refugees fleeing a volcanic eruption on Montserrat have settled in Antigua since 1995.

Economy: The economy is agricultural. Main exports: Sugar and sea island cotton, Tourism is a major source of income. Manufactures: garments, fans, refrigerators and rum.

Mission in Indla: Embassy of Antigua & Barbuda stationed at New York.

7. Argentina

Argentine Republic (Republica Argentina)



Capital: Buenos Aires; Other Large Cities: Cordoba, Rosario, La Plata, Mendoza; Area: 2,766,654sq.km; Population: 39,921,833; Languages: Spanish, Italian; Religions: Roman Catholic-92%, Protestant-2%, Jewish-2%, Others-4%; Literacy: 97.1%; Life Expectancy:

76.12; Currency: Peso (\$1=3.07850); p.c.it \$ 13,100.; Date of Independence: 9th July, 1816

Government Type: Republic; Head of State & Govt (President): Nestor Carlos Kirchner. History: Argentina, the second largest state in S. America, lies at the tip of South America extending to some 3700 km from Bolivia to Cape Horn. Its maximum width is 1500 km. Argentina proclaimed its independence in 1816. A military junta deposed Isabel Peron's government in 1972. Return to civilian rule in 1983. In 1982, Argentina lost the Falkland Island war to Britain.

Economy: Argentina abounds in deposits of coal, lead, copper, zinc, gold, silver, sulphur and oil. Meat packing is the chief industry, with flour milling coming second. Others are chemicals, textiles, machinery, motor vehicles, paper and consumer durables. Agriculture and animal husbandry form important segments of the economy. Chief crops: grains, maize, grapes, linseed, sugar, tobacco, rice, citrus fruits, livestock products. Argentina is the world's largest source of tannin.

Argentina has been in the news in recent years because of severe economic problems, foreign debt and inflation.

In 2002, former dictator Gen. Leopoldo Galtieri was arrested and charged with the murder of suspected dissidents two decades ago.

Recent Events: In January 2006, Argentina repaid its multi-billion-dollar debt to the IMF. In May, citing environmental concerns, Argentina filed a complaint against the construction of two pulp mills in neighbouring Uruguay at the International Court of Justice in The Hague.

Mission in India: Embassy of the Argentine Reputing E-2, Arrand Nicetan, New Dein-1007021. Tel: 00661982-84, 51661987, Faxi51661988.

E-लक्षी: होत्ये किलाबतध्य online.com

Indian Mission in Argentina: Embassy of India, Aida Cordoba 950, 4th Floor, (1054)

Buenos Aires, Argentina. Tel: 00-54-11-43934001, 00-54-11-4934156; Fax: 00-54-11-43934063.

Ê-mail:indemb@indembarg.org.ar Website:www.indembarg.org.ar

8. Armenia

Republic of Armenia (Haikakan Hanrapetoutioun)



Capital: Yerevan; Other Large Cities: Kirovakan, Kumairi; Area: 29,800 sq km Population: 2,976,372; Tanquagas: Autrenian; Religions: Armenian Apostolic 94,7% Other Christian 4%, Yezhili-1,3%. Therack: 98.6%; Elle Expeciancy: 71.6%; Currency: the dram (\$1c422,500); p.c.l;\$-4,500; Date of Independence: 21% September, 1991.

Government Type: Republic: Presidenti Robert Kocharyan; PM; Andranik Markarlan,

History: A former Soviet republic, Austenia is bounded by Georgia, Azerbaijan, Turkey and Iran. Armenia is generally regarded as the first nation to formally adopt Christianity (eary 41) century). Despite periods of autonomy, over the centuries Armenia cane under the sway of vatious empires Including the Roman Byzantine, Arab, Persian and Ottoman, During Word War I in the western portlon of Armenia, Ottoman Turkey instituted a policy of forced resettlement coupled with other harsh pratices that resulted in an estimated 1 million Armsnian deaths. The eastern area of Armenia was ceded by the Ottomans to Russia in 1828; this portion declared its independence in 1918. but was conquered by the Soviet Red Arm.

pied by the long conflict with Muslim Azerbaijan over Nagomo-Karabakh, a primarily Armenian populated region, assigned to Soviet Azerbaijan in the 1920s by Moscow. Armenia and Azerbaijan began fighting over the area in 1988.

Armenia has sought reunification with the Nagorno Karabakh autonomous region of neighbouring Azerbaijan. Soviet troops were sent to quell the ethnic civil war with Azerbaijan in Jan., 1990. Fighting between mostly Christian Armenia and mostly Muslim Azerbaijan escalated in '92 and continued in '93 and '94. A ceasefire was announced in May, '94. An earthquake in Dec., 1988 killed 55,000 and left \$00,000 homeless.

Russia's staunch ally, Armenia signed a treaty in Apr. '97 allowing Russia to operate military bases in Armenia for 25 years.

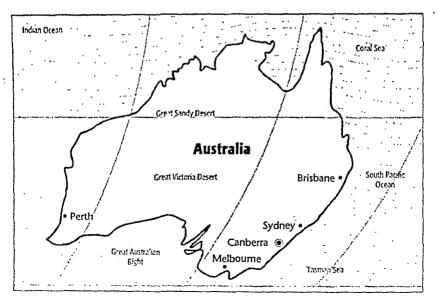
Economy: It is a mountainous country with very fertile soil and extensive irrigation. Important crops: Grains, potatoes, olive, almonds, grapes, cotton, dairy products. Natulybdenum, marble, granite, cement. Industry: Chemical, cement, textiles, food industries, carpet-weaving.

Mission In India: Embassy of the Republic of Armenia, E-1/20, Vasant Vihar, New Delhi-110 057. Tel: 26147328, 26153031; Fax: 26147329. E-mail: armemb@vsnl.com E-mail: armemb@vsnl.com

Indian Mission In Armenia: Embassy of India,50/2,PionerakanStreet,Yerevan- 375019; Tel: 00-374-1-539173, 538288; Fax: 00-374-1-533984. E-mail:inemyr @arminco.com

9. Australia

Commonwealth of Australia
Capital: Canberra; Other Large Cities: Sydney,
Melbourne, Brisbane, Perth, Adelaide; Area:
7,682,300 sq .km; Population:20,264,082;
Languages: English and aboriginal languages;
Religions: Catholic-26.4%,Anglican-20.5%,
Other Christian-20.5%, Buddhist-1.9%,Muslims-1.5%, other-1.2%, unspecified - 12.7%,



none-15.3%; Literacy: 99%; Life Expectancy: 80.5%; Currency: Australian Dollar US (\$1=1.35); p.c.l: \$ 31,900; Date of Independence: 1st January, 1901.

Government Type: Democratic; Governor-General: Maj. Gen. Michael Jeffery; PM: John Winston Howard.

History: Before the arrival of European settlers, Aboriginal and Torres Strait Islander peoples inhabited most areas of the Australian continent. The first recorded European contact with Australia was in March 1606, when Dutch explorer Willem Janszoon charted the west coast of Cape York Peninsula, Queensland. Later that year, the Spanish explorer Luis Vaez de Torres sailed through the strait separating Australia and Papua New Guinea. Over the next two centuries, European explorers and traders continued to chart the coastline of Australia, then known as New Holland. In 1688, William Dampier became the first British explorer to land on the Australian coast. It was not until 1770 that another Englishman, captain James Cooke, aboard the Endeavour, extended a scientific voyage to the South Pacific in order to further chart the east coast of Australia and claim it for the British crown. Six colonies were created in the late 18th and 19th centuries; they federated and became commonwealth of Australia in 1901. The non-indigenous population at the time of Federation was 3.8 million. Half of these lived in cities, three-quarters were born in Australia, and the majority were of English, Scottish or Irish descent.

Australia is a Federation with power divided broadly between the national government and the state governments. The states are New South Wales, Victoria, Queensland, South Australia, Western Australia, Tasmania, Northern Temtory and Australian Capital Temtory.

About 352,970 people identified themselves as being of indigenous origin, at the 1996 census. About half the aborigines live in cities or towns. They participate at all levels of life of the Australian community. Many abongines still live in the remote areas of Australia and prefer traditional tribal oriented lifestyles. The boomerang was invented by the abongines who have been therefor more than 40,000 years.

In March 1986, Queen Elizabeth II signed the Proclamation of the Australia Act 1986, which severed Australia's last remaining constitutional links with Britain. Queen Elizabeth is formally Queen of Australia. In Feb., 98 Australians discussed at a constitutional convention whether to become a republic, with majority of delegates thinking that British queen as head of state is an outdated idea. However, opinion polls favoured monarchists.

Economy: Australia has now developed into a modem industrial nation built upon the solid foundation of an efficient and productive agricultural system and large reserves of minerals. Australia is an important producer and exporter of a wide range of agricultural products especially wool (Australia is the world's leading wool producer), wheat and meat and its mines provide minerals and metals of many types including coal, iron-ore, bauxite, gold, silver, lead, zinc, copper, nickel, oil and natural gas for use by local and overseas industries. The largest employer is the retail sector, but many others work in catering-which also involves feeding more than four million tourists who arrive each year. The three best known icons of the country are Ayers Rock, the Great Barrier Reef and the Sydney Opera House, in addition to a bevy of world-class theme and heritage parks.

Australia has many unique plant and animal species including kangaroos, koalas, platypuses, dingos, Tasmanian devils, wombats and frilled lizards.

Australian external territories: Norfolk Island, Coral Sea Islands Territory, Territory of Ashmore and Cartier Islands, Cocos (Keckna) Island, Kiritimati (Christmas Island) and Australian Antarctic Territory, the Heard Islands Mc Donald Islands.

Recent Events: In January, 2006, Australia and East Timor signed a deal to divide billions of dollars in expected revenues from oil and gas deposits in the Timor Sea. Under the agreement, discussions on a disputed boundary were postponed.

Mission in India: High Commission for Australia, 1/50-G, Shantipath, Chanakyapun, New Delhi-1107021. Tel: 51399900, 51221000 (Visa). E-mail: mark.webster@dlat. gov.au. Web: ausgovindia.com

Indian Misslon In Australia: High Commission of India, 3-5, Moonah Place, Yarralumla, Canberra ACT-2600, Australia. Tel: 00-61-2-62733999; 62733774, 00-61-2-62735479 (After office hours); Fax: 00-61-2-62731308, 6273328 (HC Office).

E-mail: consularcanb@bigpond.com (Consular); hcoffice@bigpond.com (HC).

10. Austria

Republic of Austria (Republik Osterreich)



Capital: Vienna; Other Large Cities: Graz, Linz, Salzburg, Innsbruck; Area: 83,858 sq. km; Population: 8,192,880; Languages: German; Religions: Roman Catholic-74%, Protestant-S96, Islam-496, others-17%; Literacy: 98%; Life Expectancy: 79.07; Currency: Euro(\$1=0.79120); p.c.l: \$ 32,700; Date of Independence: 1156.

Government Type: Federal Republic; President: Helnz Fischer; Head of Govt: Chancellor Wolfgang Schuessel.

History: Famous for its spectacular moun-

tains scenery, Austria is no longer the dominant political force it was in Central Europe under the Hapsburg dynasty which ruled under the first world war. A republic since 1918, Austria, which was invaded by Nazi Germany in 1938, regained full sovereignty in 1955. Austria is a federal state of nine provinces. Austria joined the EU on Jan. 1, 1995. Over 65 per cent of the country is mountainous. The Danube is the main river. Forests cover about 40 per cent of the land, a greater proportion than in any other European country, apart from Sweden and Finland. The highest mountain is the Gross-glockner (12,465').

Economy: It depends mainly on mining, manufacturing, trade and services. Most Austrian are now employed in service industries, from banking to transport. Main agricultural products: livestock, forest products, grains, sugar beets, potatoes.

Austria is rich in mineral and energy resources, and both mining and energy production are nationalized industries. The country is the world's largest producer of magnesite, used in the chemical industry. Other materials mined include iron ore, lignite (brown coal), graphite, salt, quartz and clay. Austria is the world's fifth largest exporter of coniferous sawn timber. Services account for the largest share (60%) of GDP.

Mission In India: Embassy of Austria, EP-13, Chandragupta Marg, Chanakyapuri, New Delhi-110021. Tel: 26889050/049/; Fax: 26886929/26886033

E-mail: new-delhi-ob@bmaa.gv.at

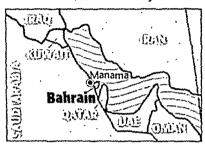
Indian Mission in Austria: Embassy of India and Permanent Mission of India to the UN Offices in Vienna, Kaerntnerring 2, A-1015 Vienna, Austria. Tel: 00-43-1-5850795; Fax: 00-43-1-5059219

E-mail: indemb@eoivien.vienna.at; Web: wwv.indiaembassy.at

grown. Industries: Tourism accounts for around 40% of GDP and employs a similar proportion of the workforce. Tourism(70% of GDP), banking and investment management.

13. Bahrain

State of Bahrain/Dawlat al-Bahrayn



Capital: Manama; Area: 669 sq. km.; Population: 698,585; Languages: Arabic, English, Farsi, Urdu; Religions: Muslim(Shi'a and Sunni) -81.2%, Christian - 9%, other-9.8%; Uteracy: 89.1%; Life Expectancy: 74.45; Currency: Bahraini Dinar (\$ 1 = 0.377); p.c.i: \$23,000; Date of Independence: 15th August, 1971.

Government Type: Constitutional Hereditary Monarchy; Head of State: King Hamad bin Isa Al-Khalifa; PM: Shaikh Khalifa bin Sulman Al-Khalifa.

History: Bahrain, a British protectorate for 90 years, became an independent state on Aug. 15, 1971. It is an Arab state comprising 33 small islands in the Arabian Gulf. Bahrain is the biggest of the islands and has lent its name to the whole archipelago. It is an independent monarchy.

The traditional occupations of cattle breeding, agriculture and fishing are still practised but many modern industries have also come up. Oil accounted for the lion's share of the state revenues but by 1970s, oil reserves were depleted. International banking is a major activity today.

Economy: Agriculture: Fruits and vegetables, alfalfa, dates, poultry. Industry: Aluminium, ship building & repairs, electronics assembly, building materials, and banking. The people enjoy a very high standard of living. Education is free upto the secondary level and heavily subsidised with scholarships at higher levels. The population is 83% urban. Every fourth resident of Bahrain is an Indian.

Petroleum production and refining account for about 60% of export receipts, 60% of government revenues, and 30% of GDP. A large number of exports consist of petroleum products made from refining imported crude.

This archipelgo manages some 85\$ billion in offshore banking assets. Financial institutions are attracted by a skilled work force, good communications and a regulatory system considered the most effective in the region. The country long ago branched into industries such as aluminium refining, ship repair and petro chemicals. It also does a tidy business as a tourist destination for Saudis.

Consulate: 5th Floor, Maker Tower, F Cuff Parade Road, Colaba, Mumbai-400?005. Tel: 2185856; Fax: 2188817

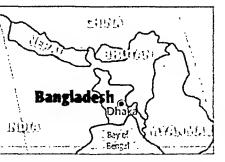
Indian Mission In Bahrain: Embassy of India, Building 182, Road 2608, Area 326, Ghudaibiya, P.O. Box No.26106, Adliya, Baharain. Tel:00-973-712683,712832,712785; Fax:00-973-715527.

E-mail: indiacon@batelco.com.bh Website: http://www.indianembassy-bh.com

14. Bangladesh

(People's Republic of Bangladesh; Gana Prajatani Bangladesh)

Capital: Dhaka; Other Large Citles: Chittagong, Khulna; Area: 148,393 sq.km; Population: 147,365,352; Languages: Bangla, Chakma, Magh; Religions: Islam-83%, Hindu-16%, others-1%; Literacy: 43.1%; Life Expect-



ancy: 62.46; Currency: Taka (US \$1=69.4B); o.c.i:\$2,100; Date of Independence: 16th Deember, 1971.

Government Type: Parliamentary Democacy; President: laujuddin Ahmed; PM: Begum Chaleda Zia.

History: Bangladesh is surrounded by India, Myanmar and the Bay of Bengal.

A republic in south Asia, Bangladesh was formerly East Pakistan, one of the five provnces into which Pakistan was divided at its reation, when Britain's former Indian Empire was partitioned in August 1947. East Pakistan and the four western provinces were separated by about 1,600 km of Indian territory. East Pakistan was formed from the former Indian province of East Bengal and the Sylhet district of Assam, Although the East was more populous, government was based in West Pakistan. From the very inception of its formation, language remained the most problematic issue. Same status for Bengali language with Urdu and English was the demand, and the movement involving all sections of the people of East Pakistan gave a strike call on 21 Feb, 1952. On that very day, police fired on a students' rally and several students died. Since then the day has been observed as the Language Day (Bhasa Divas).

East Pakistan became an independent entity named Bangladesh on 16 December, 1971, following civil war in which India actively supported the East. Leader of this independence movement, Sheikh Mujibur Rahman became the first Prime Minister.

In January 1975 parliamentary government was replaced by a presidential form of govemment. Sheikh Mujib became President, assuming absolute power. In February, Bangladesh became a one-party state.

On 15 August, 1975 Sheikh Mujib and his family were assassinated in a coup. Chief of Army Staff, Major-Gen. Ziaur Rahman (Gen. Zia) took over power on 7 November, 1975. In June 1978 the country's first direct presidential election resulted in a victory for Zia, who formed a Council of Advisers, Parliamentary elections followed in February 1979 in which President Ziaur Rahman's Bangladesh Nationalist Party (BNP) won 207 of the 300 directly elective seats in the Jatiya Sangsad.

Political instability recurred, however, when Gen. Ziaur was assassinated on 30 May 1981 during an attempted military coup. The elderly Vice-President, Justice Abdus Sattar, took over as acting President but was faced with strikes and demonstrations over the execution of several officers who had been involved in the coup.

On 24 March, 1982 there was a bloodless military coup, by which Lieut. Gen. Ershad became chief martial law administrator, President Sattar was deposed. The Constitution was suspended and parliament ceased to function. Assanuddin Chowdhury was swom in as civilian president on 27 March, Lieut, Gen. Ershad assumed the presidency on 11 Dec., 1983

Although the Government's economic policies achieved some success and gained a measure of popular support for Ershad, the all party alliance of MRD-Movement for the Restoration of Democracy-gained momentum.

In Jan. 1986 a National Executive Committee was formed and the National Party launched, composed of government supporters. Gen. Ershad was re-elected President on 15 October, 1986. The National Party won the general election of March 1988.

Gen. Ershad was deposed and arrested 25 ter a popular uprising in December 1900 15

President. In the general elections held in February 1991 Bangladesh National Party led by Begum Khaleda Zia won 140 seats. 8egum Zia was swom in PM. In the general elections held in June, 1996, Awami League won 146 seats and Sheikh Hasina Wazed, daughter of the late Sheikh Mujibur Rahman, became the PM of Bangladesh. Jatiya Party quit the govt. in Mar. '98.

Tribal Shanti Bahini guerrillas fighting for autonomy in the Chittagong Hill Tracts surrendered in Feb. '98, ending a 25-year insurgency that claimed more than 8500 lives.

Bangladesh is the second largest Muslim country in the world. Dhaka, with 2000 mosques, is known as the city of mosques. The total for the country is over 200,000. There are an estimated 1,200,000 tribal people in 8 angladesh. Most of them (700,000) are in Chittagong Hill Tracts (CHT).

Economy: Although half of 8angladesh's GDP is generated through the service sector, nearly two-thirds of the people are employed in the agriculture sector, with rice as the single-most-important product. Plots of land are very small-measured in tenths of a hectare. Half the population still cannot afford to feed themselves properly. At independence in 1971, the US Secretary of State dismissed the new country as an 'international basket-case'.

Recent Events: In February, 2006, opposition Awami League ended year-long parliamentary boycott.

Mission in India: High Commission for the People's Republic of Bangladesh, EP-39, Dr.S.Radhakrishnan Marg, Chankyapuri, New Delhi - 110?021. Tel: 26878948-49; Fax: 26878953.

E-mail: dhcdelhi@mantraonline.com Indlan Mission In Bangladesh: Hígh Commission of India. House No. 2, Road No.142, Gulshan-1, Dhaka, Bangladesh. Tel: 00-8802-9889339. E-mail: hc@hcidhakha.org

IJ. Dai yauus

Capital: Bridgetown; Area: 430 sq km; Popu-

lation: 279,912; Languages: English; Religions: Protestant-67% (Anglican 40%, Pentecostal-8%, Methodist-7%, others-12%), Roman Catholic-4%, none-17%, others-12% Literacy: 99.7%; Life Expectancy: 72.79; Currency: 8arbados Dollar (8D) (\$1 = 2.00); p.c.i.: \$ 17,000; Date of Independence: 30th November, 1966.

Government Type: Parliamentary Democracy; Head of State: Queen Elizabeth II; Governor-General: Sir Clifford Husbands; PM: Owen Arthur.

History: The island of Barbados is the most easterly of the Caribbean islands, lying about 400 km north east of the mainland of South America. It is included in the Windward Isles. British settlers arrived in 1627. Slavery existed until 1834. Barbados became fully self-governing within the Commonwealth on Nov. 30, 1966. In 1997, a commission was appointed to consider abandoning all ties to Britain.

Economy: Agriculture and tourism dominate the economy of 8arbados. Sugar, molasses, rum, electrical components and chemicals are major exports.

The island's economy has become diversified, thus reducing the importance of sugar. Services, especially tourism, are now the main source of employment. Industry: Light manufacturing, electronic component, sugar, food processing, beverages, rum, beer. 8arbados'

Wildlife Reserve is home to two species of animals unique to the island-the green monkey and the large red-footed tortoise.

16. Belarus

(Republic of Belarus) Republika Belarus



Capital: Minsk; Other Large Cities: Gomel, Vitebsk; Area: 207,600 sq.km.; Population: 10,293,011; Languages: Belorussian, Russian; Religions: Eastern Orthodox-80%, others (Including Roman Catholic, Protestant, Jewish and Muslim)-20%; Literacy: 99.6%; Life Expectancy: 69.08; Currency: Rouble (\$1=2,144.0) p.c.i: \$6,900; Date of Independence: 25th August, 1991.

Government Type: Republic; Head of State: Aleksandr Lukashenko; PM: Sergei Sidorsky.

History: After seven decades as a constituent republic of the USSR, Belarus attained its independence in 1991. It has retained closer political and economic ties to Russia than any of the other former soviet republics. Russians form 13.2% of the population, Poles 4.1% and Ukrainians 2.9%.

In April, 1997, Belarus and Russia concluded a union treaty calling for the gradual creation of a confederation between the two Slavic nations.

Economy: Agriculture: Cattle-breeding for meat and dairy produce. Important Products: Potato, hemp, grain, flax, fodder. Natural resources: Valuable forest land wooded with oak, elm, maple; peat deposits. Industrymotor vehicle, machine tools, agricultural machinery, peat, chemical fibre, paper, building materials, food processing, textile.

Mission in India: Embassy of the Republic of Belarus, 163, Jor Bagh, New Delhi-110 003. Tel: 24694518, 4697025; Fax: 24697029.

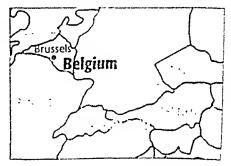
E-mail: india@belembassy.org

Indian Mission in Belarus: Embassy of India, Ulitsa Koltsova 4, Block No.5, Minsk 220090, Belarus. Tel: 00-375-17-2629399. 267739; Fax:00-375-17-2629799.

E-mail: amb@open.by/indembminsk @indiatimes.com (Ambassadoir's Office)

17. Belgium

Kingdom of Belgium, Koninkrijk Bekgie (Dutch), Royaume de Belgique (French)



Capital: Brussels Other Large Cities: Antwerp, Ghent, Area: 30,521 sq.km; Population: 10,379,067. Languages: Flemish. French and German-all official; Religions: Roman Catholic-75%, Protestant and others-25%; Literacy: 99%. Life Expectancy: 78.77. Currency: Euro (\$1=0.7912); p.c.i: \$31,400 Date of Independence: 4th October, 1837

Government Type: Federal Parliaments Democracy: Head of States King Albert ? ** Guy Vernoistaat

History: Belgrum (in N.V Europe or *. 344 named after the Belgae, people of short Gaul and crossed the Firms about 🗯 🖏 certury E.C., has had a turbulen became an independent ill

During both the World Wars it was occupied by Germany but freed itself by the end of those wars. Belgium became a Federal State in February, 1993.

Economy: Although Belgium is essentially a manufacturing country, agriculture and forestry are also very important. Industry is concentrated mainly in the populous Flemish area in the north. The main crops are oats, rye, wheat, potatoes, barley and sugar beets. Coal is the country's only important mineral. Principal industries: steel and metal products, textiles, glass, fertiliser, sugar, heavy chemicals, etc. About 50% of the country's total production is exported. Roughly three-quarters of its trade is with other EU countries. Public debt is nearly 100% of GDP. Antwerp is the world's 4th largest port and also the world's biggest diamond-trading centre.

Language difference has been a source of unpleasantness. Transferring power from the central govt. to three regions-Wallouia, Flanders and Brussels-has been taken up by parliament.

The European Community has its headquarters in Brussels. There are international airports at Brussels and Antwerp.

Recent Events: Euthanasia and gay marriage have been legalized.

Mission In India: Royal Embassy of Belgium, 50-N, Shantipath, Chanakyapuri, New Delhi-110021. Tel: 26BB9B51; Telefax: 26BB5B21.

E-mail:ambabel@del2.vsnl.net.in

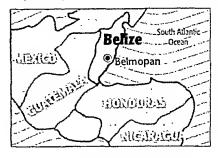
Consulate General of Belgium in Mumbai: Morena 11, M.L. Dahanukar Marg (Carmichael Road, Mumbai-400 026; Ph: +91 22 235151B6, 23521602

Indlan Misslon in Belglum: Embassy of India, 217-Chaussee de Vleurgat, 1050, Brussels, Belgium. Tel: 00-32-2-6409928, 6409140; Fax: 00-32-2-648963B.

E-mail: infogen@missionindia-belgium.org Web:www.missionindia-belgium-org

18. Belize

Capital: Belmopan; Other Large Cities: Belize City, Orange Walk; Area: 22,965 sq .km;



Population: 287,730; Languages: English, Spanish, Creole dialects; Religions: Roman Catholic-49.6%, Protestant-27%, None-9.4%, others-14%; Literacy: 94.1%; Life Expectancy: 6B.3; Currency: Belize Dollar (\$1=1.977); p.c.l: \$ 6,800; Date of Independence: 21st September, 1981.

Government Type: Parliamentary Democracy; Governor-General: Colville Young; PM: Said Musa.

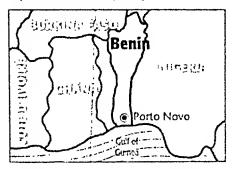
History: Belize, formerly known as British Honduras, is a Central American republic with the Caribbean Sea to the east. Originally a British colony, it was granted autonomy in 1964 and became independent in 1981. The name Belize was adopted in 1973. The original capital Belize City was laid waste by a humcane in 1961. The capital was shifted to Belmopan, an inland town, in 1970.

More than half the population is made up of the so-called Creoles or English-speaking Negroes, found mostly in the coastal regions. The indigenous (Red) Indian population consists of Mayans and Kekchis who live mostly in the reserves.

Economy: Forest products, especially timber, form a major export item. Sugar, citrus fruits, corn and bananas form the major products. Maize, rice, kidney beans and sweet potatoes are the main domestic staples. Industries: Sugar, molasses, cigarettes, beer, garments, tourism. Wild life includes the curious creature manatee - an amphibian mammal- and several varieties of reptiles.

19. Benin

Republic of Benin, Republique du Benin



Capital: Porto Novo; Other Large Citles: Cotonou, Parakau; Area: 112,622 sq.km.; Population: 7,862,944; Languages: French and Tribal dialects like Fon, Yoruba; Religions: Indigenous beliefs-50%, Christian-30%, Muslim-20%; Literacy: 33.6%; Life Expectancy: 53.04; Currency: CFA Franc (\$1 =518.98); p.c.l: \$ 1,100; Date of Independence: 1"August, 1960.

Government Type: Republic under multiparty democratic rule; Head of State & Govt (President): Yayi Boni.

History: The People's Republic of Benin (formerly Dahomey) is located north of the Gulf of Guinea in West Africa. It is one of the smallest and most densely populated states in Africa.

Formerly one of the provinces of French West Africa, Benin became an independent state on Aug. 1, 1960. The country has been plagued by coups and counter-coups For some years Marxism-Leninism was the state ideology.

The first free presidential elections in 30. years were held in 1991. President Karakat. was re-elected in March, 2001

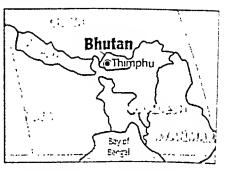
Economy: Products: palm oil, kernels, peanuts, cotton, coffee and tobacco. Food crops: Cassava, yams, maize, sorghum. Industry: Few factories. Palm oil-processing, brewing,

Mission In India: Embassy of Benin stationed at Beijing.

Honorary Consulate General, C-4, Sector-7, Noida, UP; Tel: 95120-24423373. 24423257; E-mail: sundert@ndf.vsnl.net.in

20. Bhutan

(Kingdom of Bhutan) Druk-Yul



Capital: Thimphu Area: 46,500 sq.km: Population: 2 279 723, Languages: Dzongkha unotsam (Nepali), English, Guruna, Assamese Religions: Buddhist-75%, Hindu & Nepalese-25%, Literacy: 47%; Life Expectancy: 54 78 Currency: Naultrum, fixed at car with the Indian Rupee which & also egai tender \$1=45,84); p.c.l; \$1,400; Date of incenercence: 8th August, 1949.

Government Type: Monarchy, Head of State King Igme Single Wangdrukt Head of Covollangavinge dup.

Fisher, The Kungdom of Brutan, One and I Te Turder dragon' lies in the EII mmaeras contered north by Ground ? 비 ## scercy rdia. https:// # = " are rede alleys and thick time

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eign relations under the supervision of the Gov-

ernment of British India. After India became

independent, that treaty was replaced in Aug. 1949 by the Indo-Bhutan Treaty of Friendship. whereby Bhutan agrees to seek the advice of

the Government of India with regard to its foreign relations, but remains free to decide whether or not to accept such advice.

King Jigme Dorji Wangchuk was succeeded in 1972 by the Western-educated 16-year-old Crown Prince, Jigme Singye Wangchuk. The

Bhutan Treaty and to strengthen friendship with India. Bhutan joined the UN in 1971 and the Non-

new King stated his wish to maintain the Indo-

Aligned Movement in 1973. In 1983 Bhutan became a founder-member of the South Asian

Association for Regional Co-operation (SAARC). Bhutan is a monarchy, without a written constitution. In 1907 the Tongsa Penlop (the governor of the province of Tongsa in central

Bhutan), Sir Ugyen Wangchuk, was elected the first hereditary Maharaja of Bhutan. The Bhutanese title is Druk Gyalpo and his successor is now addressed as King of Bhutan, From Oct. 1969 the absolute monarchy was changed to a form of democratic monarchy. The National Assembly (Tshoodu) was reinstituted in 1953. All Bhutanese over 25 years may be candidates. Ten monastic representa-

tives are elected by the central and regional ecclesiastical bodies, while the remaining members are nominated by the King, and include members of the Council of Ministers (the Cabinet) and the Royal Advisory Council. The Royal Advisory Council (Lodol Tsokde), established in 1965, comprises 10 members. Council of Ministers is known as Lhengye Shungtsog.

Recent reports indicate that the mountain kingdom is inching towards democracy. A political transformation is under way, its main

force being the reformist monarch ligme

said a two-thirds majority in the House could force the king to abdicate. The Assembly (its term: 5 years) will also throw up the Council of Ministers, one of whom will remain as chairman for a year. A draft constitution was released in Dec. 2002.

510-member National Assembly in June '98

Economy: There are 20 districts. A Nepalese minority makes up 30-35% of the population. Bhutan, by world standards is one of the poorest countries. Its economy is largely a subsistence economy. People are engaged in subsistence farming; and barter is practised. The transition to market economy has changed social life. Life expectancy: 49 years. Urban population is 7%. Large deposits of limestone, marble, dolomite, graphite, lead, copper, slate,

coal, talc, gypsum, beryl, mica, pyrites and tufa

Chief crops: Rice, millet, wheat, barley, maize, cardamom, potatoes, oranges, apples. Extensive and valuable forests abound. Livestock includes cattle, yaks, pigs, sheep and

goats, and poultry. Industry: Food industry, cement, etc. Trade with India dominates. Free education is available, but there are insufficient facilities to accommodate all school age children. Many students receive higher

have been found.

technical training in India. All Bhutanese nationals are obliged to wear the national costume. Under law, Bhutanese

women are treated as equal to men. Though Bhutan for long resisted the lure of tourism, it is the principal source of foreign exchange now. The Kingdom was opened to tourism in the autumn of 1974. Recent Events: In Dec. 2004, Bhutan be-

came the first nation in the world to ban the sale of tobacco and smoking in public. King Wangchuk released a draft of a new constitution in March 2005 which outlines plans for the country to shift from an absolute monar-

chy to a two-party democracy. Mission in India: Royal Rhutanese Embassy Delhi-110?021. Tel: 26B89B07, 26B89809, 26BB9230; Fax: 26876710, 24674664.

E-mail: bhutan@vsnl.com

Indian Mission In Bhutan: Embassy of India, India House Estate, Thimphu, Bhutan. Tel: 00-975–2-322162; Fax: 00-975–2-323195, 325341.

E-mail:rmisra@druknet.net.bt

21. Bolivia

(Republic of Bolivia) Republic de Bolivia



Capital: La Paz (administrative) and Sucre (judicial); Other Large Cities: Santa Cruz, Potosi; Area: 1,09B,5B1 sq.km; Population: 8,989,046; Languages: Spanish, Quechua and Aymara; Religions: Roman Catholic-95%, Protestant; Literacy: B7.2%; Life Expectancy: 65.84; Currency: The Boliviano (\$1=7.99); p.c.l: \$ 2,900; Date of Independence: 6th August, 1B25.

Government Type: Republic; Head of State & PM(President): Juan Evo Morales.

History: Bolivia, a South American state, lies astride the Andes.

Originally part of the ancient Inca Empire, Bolivia became independent in 1825. It has been named after Simon Bolivar, the famous South American fighter for freedom. Bolivia like most Latin American states, has had a number of coups and counter-coups. The stored civilian rule in 1982 after near the years of military regimes.

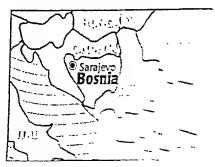
Lake Titicaca on the Peru-School Street is the highest lake in the word

Economy: Agriculture, the mainstay of the country, engages 70 per cent of the people. Chief crops: Potatoes, sugar, coffee, corn. Tin mining was the most important industry, until 1985 when international tin market collapsed. Zinc, lead, antimony and tungsten are the other important minerals. Mining accounts for about 70% of foreign exchange earnings. Other industries: Textiles, food processing, refined petroleum. A privatisation programme affecting some 60 state-owned enterprises was launched in 1992. On August 5, 2002 Gonzalo Sanchez de Lozada, a millionaire businessman, was again elected to lead the nation for the next five years.

Mission in India: Embassi of Bolivia Stationed at New York.

22. Bosnia-Herzegovina

(Republic of Bosnia and Herzegovina, Republika Bosna i Hercegovina



Capitali Samero Tres competition of the Luke, Turn Australia Austr

Message Serb); Bc.

Member (Croat): Ivo Miro Jovic; Presidency Head of Govt: Adnan Terzic.

Republic of former Yugoslavia, Bosnia-

Herzegovina is traditionally known as the powder keg of the Balkans, with its explosive ethnic mix of three groups (Muslim Slav-43%; Serbs-31%; Croats-17%; others-9%.) and its

three religions (Muslims-40%, Catholics-15% and Orthodox-31%). History: The country was settled by Slavs in

the 7th century. Bosnia was conquered by Turks in 1463. At the Congress of Berlin (1878), the temtory was assigned to Austro-Hungarian ad-

ministration under nominal Turkish suzerainty.

Austria-Hungary's outright annexation in 1908 generated international tensions which contributed to the outbreak of World War I. Croats and Muslims voted for indepen-

dence in Oct. 1991. A referendum for independence was passed in Feb, 1992. A 'Serb republic' was formed in the predominantly Serb-populated Bosnian territories. Serbs' opposition to the referendum spurred violent

Bosnian civilians, By mid-'94 three-fourths of Bosnia came under Serb control. Peace talks were held but Serb-Muslim-

clashes. In April, independence of the repub-

lic was recognised by U.S. and E.U. Fierce fight-

Ing continued, Serbs massacred thousands of

Croat fighting continued. In '93, negotiations resumed to partition Bosnia. In July an ineffective ceasefire was in force. A peace plan authored by USA, UK, France, Germany and Russia was under consideration, NATO launched a series of massive air raids on Serbian

positions and Sarajevo and in Serb-held

Bosnian temtory in August, '95 after the shell-

and the Croats. In Oct., a ceasefire was to come

into effect but Serbs were reportedly engaged

in a new 'ethnic cleansing' operation.

ing of Sarajevo market by Serb gunmen. In Sept., '95, Bosnia's warring sides decided to put an end to the three and a half-year-old war by cutting the nation into two parts: one for the rebel Serbs and the other for Muslims

February 96 saw the end of the war and the fragile truce imposed by the Dayton ac cords was reaffirmed at a summit in Rome. In March, Sarajevo, divided by war for almost fou years, was reunited as the last of five Serb ar eas passed to the Muslim-Croat federation. In

July, UN war crimes tribunal issued arrest war

rants for Bosnian Serbs' political leade

Radovan Karadzic, who later agreed to step

down. In Sept., elections were held for a 3

person collective presidency and for seats in federal parliament. In Mar. 98, US and its NATO allies decided to keep the international peace-keeping force in Bosnia (31,000 troops) through end of 1998. The Dayton peace agreement failed in

state. Economy: Agricultural products: Wheat malze, potatoes, plums, timber, cattle, sheep Industry: Textiles, timber, rugs, cement, elec

knitting the three communities into a singl

tricity, coal, steel. The war has destroyed 959 of industrial capacity. Recent Events: In January 2006, Christian Schwarz-Schilling took over from Padd Ashdown as UN High Representative. In Feb

ruary, International Court of Justice in Th

Hague began hearings in genocide cas

brought by Bosnia-Hercegovina against Serbi

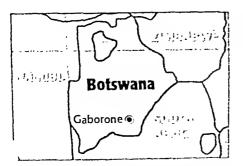
and Montenegro. In July, largest war crime trial to date over the 1995 Srebenica massa cre opened at the UN tribunal in the Hague Mission in India: Embassy of Bosnia & Herzegovina, C-7/9, Vasant Vihar, New Delhi 110 057. Tel: 26147415, 26147416; Fax

26143042. E-mail: bos her@starith.net

23. Botswana

(Republic of Botswana) Capital: Gaborone; Other Large Cities

Francistown, Lobatse; Area: 581,730 sq. km Population: 1,639,833; Languages: English Setswana and Sishona; Religions: Christian



'1.6%, Badimo-6%, other-1.4%, unspeciied-0.4%, none-20.6%; Literacy: 79.8%; Ife Expectancy: 33.74; Currency: Pula \$1=5.B6); p.c.i: \$ 10,500; Date of independence: 30th September, 1966.

Government Type: Parliamentary Repubic; Head of State & Govt (President): Festus Mogae.

History: The Republic of Botswana - the land of the Batawana tribes - (formerly known as Bechuanaland) is located in Southern Africa. Most of the country is near-desert, with the Kalahari occupying the western part of the country. Botswana became independent In Sept. 1966 and assumed its present name.

Rural population is 80% and population growth rate 3.5%. The country is divided into 10 districts.

Economy: Cattle industry is the most important economic activity. Important crops: Sorghum, corn, millet, beans. Beef is the main export, Diamonds, manganese, actestos, coal, copper and nickel are leading mineral resources. The economy is closely tied to that of South Africa. Botswana's per capital income grew 9.2% between 1965 and 1995 But in 2001, the country had the Fighers rate of HiV infection in the world

Mission in India: Embassy of Botherana stationed at Tokyo.

Indian Mission in Botsware: Fig- Commission of India, Plot 5375, President: تاريخ Private Bag 249, Gaborone, Bottmana, Tel: 00-267-372676; Fat: 00-257-374536

E-mail:hicomind@info.bw

24. Brazil

(Federative Republic of Brazil) - Republica Federativa do Brasil



Capital: Brasilia; Other Large Cities: Sao Paulo, Rio de Janeiro, Belo Horizonte, Recife. Salvadore; Area: 8,511,965 sq.km; Population: 1B8,078,227; Languages: Portuguese (official), Spanish, English, French; Religions: Roman Catholic (nominal)-73.6%, Protestant-15.4%, Spiritualist-1.3%, Bantoo/Voodoo-0.3%, other-1.8%, unspecified-0.2%, none-7.4%; Literacy: 86.4%; Life Expectancy: 71.97; Currency: Real (\$ 1= 2.25); p.c.i: \$ 8,400; Date of Independence: 7th September, 1822.

Government Type: Federative Republa President: Luiz Inacio Lula da Silva.

History: Brazil, the largest South American state, lies more or less in the centre of Sour America. It borders every nation on the continent except Chile and Ecuador, the alarm of dense forests and mighty mea. The arms zon and the Sao Francisco covers the country.

Brazil was a Portuguese serie declared a kingdom in 1815. ploitable wealth early عصاب المساعة wood that produced red are all pau-brasil, from ਅਜੀਵੀ its name. Monarchy and a republic der control in 1964 aux restored in 1923

Until the 1970s Brazil was an almost entirely Catholic country. But a 1998 unofficial survey found that one in six Brazilians now profess loyalty to mainly protestant evangelical churches.

About 75% of Brazil's population row live in the cities. Brasilia, a showpiece of modem architecture and town planning, was declared the capital on April 21, 1960.

Economy: In many respects, Brazil is an advanced industrial economy. Around one-quarter of the labour force works in industry. Brazil's industry has benefited from its wealth of mineral resources. The major exports of Brazil are soyabeans, sugar, coffee, iron ore, cocoa beans, maize, sisal and tobacco. (world's largest exporter of flue-cured tobacco.), Agriculture accounts for 9% of GDP. The contribution of industry and services to GDP is 32% and 59% respectively.

Brazil is one of the world's top eight producers of agricultural commodities. The number one coffee producer for more than a century, Brazil also leads in oranges, orange juice concentrate, alcohol, sisal, cassava and bananas. It has the planet's largest commercial cattle herd, and comes only to the United States in soya production and to India in sugar cane output.

Brazil possesses vast deposits of mineral wealth—chrome ore, iron, phosphates, uranium, manganese, copper, coal, platinum and gold. Oil is a state monopoly. The wax which is used for phonograph records and insulation is a monopoly product of the state. Brazil is the only source of high grade quartz crystal in commercial quantities.

In August, 1992, Brazil's foreign debt of \$ 123 billion was the developing world's highest, its inflation rate was close to 250%, the highest in Latin America. Currency devalution and crisis added to instability in 1999. Lula da Silva was inaugurated 36th President of Brazil on Jan.1, 2003-Brazil's first working-class President.

Recent Events: In May, 2006, scores of people were killed in gang attacks and a police backlash in Sao Paulo state. The violence was sparked by a series of prison uprisings.

Mission in India: Embassy of Brazil, B, Aurangzeb Road, New Delhi-110?011. Tel: 23017301; Fax:237936B4;

E-mail: brasindi@vsnl.com

Consulate: Mumbai:Tel:22002236/2256/7511/1796, Fax:22009456

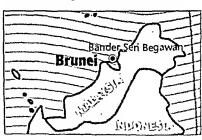
E-mail: brazilcons@rediffmail.com .

Indian Mission in Brazil: Embassy of India, SHIS-QL-0B, Conj. 0B Casa 01 Lago Sul, CEP-71620-2B5, Brasilia DF,Brasil, Tel: 00-55-61-24B-4006 (4 lines) Fax: 00-55-61-24B5486/ 7849.

E-mail:indemb@indianembassy.org.br Web: www.indianembassy.org.br

25. Brunei

(Brunei Darussalam) State of Brunei Darussalam Negara Brunei Darussalam



Capital: Bander Seri Begawan (formerly called Brunei Town); Area: 5,765 sq.km; Population: 379,444; Languages: Malay, English, Chinese; Religions: Muslim-67%, Buddhist-13%, Christian-10%, Indigenous beliefs and others-10%; Uteracy: 93.9%; Life Expectancy: 75.01; Currency: Brunei Dollar (\$1=1.69); p.c.l: \$23,600; Date of independence: 1st January, 1984.

Government Type: Constitutional sultanate; Sultan and PM; Haji Hassanal Bolkiah.

History: Negara Brunei Darussalam on the

northern side of the island of Borneo lies between two Malaysian territories, Sabah and Sarawak. Brunei Malays, mostly Muslims, form more than half of the population. The Sultanate, once a powerful and independent kingdom, was annexed by Britain and was granted full internal autonomy in 1971. Became a fully sovereign and independent state on Jan. 1, 1984.

Economy: Oil and natural gas are Brunei's most valuable resources. Much of Brunei's oil comes from the offshore Ampa field. Over 40% of GDP is derived from oil and gas exports. Rice is the chief food crop. Also grown are bananas, vegetables, cassava and pepper. Other crops are coconuts, sago, cork and rubber. Rubber is an export item. The Sultan of Brunei is one of the world's richest men. The Sultan's son Prince-al-Muhtadee Billah is the heir to Brunei's throne.

Recent Events: • Prince Billah married a commoner in September 2004.

Mission in India: Brunei Darussalam High Commission, A- 4, Poorvi Marg, Vasant Vihar, New Delhi-110?057. Tel: 2614B340, 26148343; Fax: 2614 2101.

E-mail: suhtindb@del3.vsnl, net.in indian Mission in Brunei: High Commission of India, 'Baitussyifaa', Simpang 40-22,Jalan Sungai Akar,Bandar Seri Begawan BC 3915, Brunei Darussalam. Tel: 00-673-2-339947; Fax: 00-673-2-339783.

E-mail:hicom ind@brunet.bn Web: brunet.bn/gov/emb/india

26. Bulgaria

(Republic of Bulgaria) - Republika Bulgaria Capital: Sofia; Other Large Cities: Plovdiv, Dobrich; Area: 110,912 sq km; Population: 7,385,367; Languages: Bulgarian, Turkish; Religions: Bulgarian Orthodox-82.6%, Muslim-12.2%, others-5.2%; Literacy: 9B.6%; Life Expectancy: 72.3; Cur-



rency: Lev (\$1=1.54); p.c.i: \$ 9,600; Date of Independence: 3rd March, 1878.

Government Type: Parliamentary Democracy; President: Georgi Purvanov; PM: Sergei Stanishev.

History: Situated on the Black Sea in eastem Balkan Peninsula, Bulgaria was founded in 681. Monarchy was abolished and a people's republic was proclaimed in 1946. The country's first free election after four decades of communist rule was held in 1990, and an 11-member Corporate Presidency was elected to power. In Oct. 1991, a non-communist government was elected. In Apr. '97 Bulgaria's reformist Union of Democratic Forces scored a resounding victory in parliamentary elections. The country became a member of NATO in 2003.

Economy: Principal products: Grains, tobacco, fruits, vegetables. Minerals: Coal, iron ore, copper, lead and zinc. Industry: Crude steel, pig iron, cement, chemicals, textiles, processed food.

Mission in India: Embassy of the Republic of Bulgaria, EP 16/17, Chandragupta Marg, Chana-kyapuri, New Delhi - 110?021. Tel: 26115549, 26115551, 2410B04B; Fax: 26876190

E-mail: bulemb@mantraonline.com Website: www.bulganaembindia.com Indian Mission in Bulgaria: Embassy of P dia, 31, Patriarch Evtimii Blvd., Some Bulgaria. Tel: 00-359-2-9867 359-2-9801289, 9814124.

E-mail: india@ inet.ba%

27. Burkina Faso



Capital: Ouagadougou; Other Large Cities: Koudougou, Banfora; Area: 274,200 sq km; Population: 13,902,972; Languages: French and Sudanic tribal languages; Religions: Tribal beliefs-40%, Muslim-50%, Christian-10%; Literacy: 26.6%; Life Expectancy: 4B.B5; Currency: CFA Franc (\$1=51B.9B); p.c.l: \$1,300; Date of Independence: 5th August, 1960.

Government Type: Parliamentary Republic; Head of State: Blaise Compaore.

History: The Republic of Burkina Faso in West Africa Is a landlocked state surrounded by Mali, Niger, Benin, Togo, Ghana and Cote D' Ivoire.

Formerly a province of French West Africa called Upper Volta, the country gained full independence in 1960. Name changed to Burkina Faso in 1984.

Economy: It is almost exclusively an agricultural country with 80 per cent of the population dependent on agriculture. Livestock raising is highly developed. Principal crops are sorghum, millet, yams, cotton, rice, peanuts and karite. Industry is limited to local handicrafts and processed agricultural products. The country is heavily dependent on foreign aid. Some 2 million of its citizens live in nearby countries, most of them in Cote D' Ivoire and Ghana. Life expectancy: male 45, female 47.

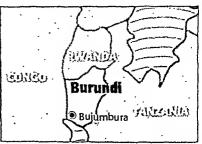
Mission In India: Embassy of Burkina Faso G-5, Anand Niketan, New Delhi-110 021. E-mail: embumd@bol.net.in

Consulate: Mumbai:Tel:23643093, Fax: 23645796.

E-mail:bhojwani@pn2.vsnl.net.in

28. Burundi

(Republic of Burundi)-Republikay' Ubu-rundi



Capital: Bujumbura; Other Large Cities: Kitega; Area: 27,834 sq.km; Population: 8,090,06B; Languages: French and Kirundi; Religions: Christian-67%, indigenous beliefs-23%, Muslim-10%, Protestant-5%; Literacy: 51.6%; Life Expectancy: 50.81; Currency: Burundi Franc (\$1=980.00); p.c.i: \$ 700; Date of Independence: 1st July, 1962.

Government Type: Republic; President: Pierre Nkurunziza.

History: The Republic of Burundi is a small state in east central Africa. Burundi attained independence on July 1, 1962. Prior to independence, it formed part of the Belgian-administered UN Trust Territory of Rwanda-Urundi.

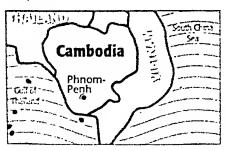
The population consists of Hutu or Bahutu tribesmen (B5%), Tutsi or Watutsi people and Twa or Batwa pygmies. One of Africa's poorest and most densely populated states, and scene of one of the continent's worst tribal wars. An unsuccessful Hutu rebellion in 1972-73 left 10,000 Tutsi and 150,000 Hutu dead. In the 19B0s, a Tutsi-dominated regime pledged itself to ethnic reconciliation.

in June, 1993, a Hutu was elected. President Cyprien Ntarya-mira, along with Rwandan counterpart, was assassinated in April, 1994. Amnesty International puts the number killed in ethnic violence at over 100,000. Another 700,000 fled to neighbouring countries. In July, 1996, in a coup by the Tutsi-dominated army, Maj. Pierre Buyoya, the minority Tutsi strongman, seized power from President Sylvestre. Ethnic strife continued. In Apr. 2003, a Hutu president D. Ndayizeye assumed power fighting continues.

Economy: Burundi is a landlocked, resource-poor country with an underdeveloped manufacturing sector. The economy is predominantly agricultural with 90% of the population dependent on subsistence agriculture. Economic growth depends on coffee and tea exports, which account for 90% of foreign exchange earnings.

29. Cambodia

(Kingdom of Cambodia) Preah Reach Ana Pak Kampuchea



Capital: Phnom-Penh; Other Large Cities: Battambaug, Kampong Chan; Area: 181,035 sq km; Population: 13,881,427; Languages: Khmer, French; Religions: Theravada Buddhist-95%, others-5%; Literacy: 73.6%; Life Expectancy: 59.29; Currency: Riel (\$1=4055.00); p.c.l: \$ 2,200; Date of Independence: 9° November, 1953.

Government Type: Constitutional Mon-

archy; Head of State: King Norodom Sihamoni; PM: Hun Sen.

History: Situated on the Indo-China Peninsula in south-east Asia, the People's Republic of Kampuchea changed its name to the original one Cambodia in May, 1989. For some time-between Oct. 1970 and May 1975 – the country was also known as Khmer Republic.

In May, 1993, the country held multi-party elections. An interim government, was set up by three parties, ending the 14-year reign of the Vietnamese-installed administration. In Sept., 1993, a new constitution was signed, restoring Prince Sihanouk as King of Cambodia. Khmer Rouge was outlawed in July, 1994. They in turn, formed a provisional government.

In July 1997, second PM Hun Sen took control of Phnom Penh and became the supreme leader of the country. His rival, first PM Norodom Ranariddh, fled the country. The royalist Funcinpec party of Ranariddh challenged the new first PM Ung Huot's election. Ranariddh was sentenced in absenta in March to 5 years' R.I. by a military court. On Apr. 15, Pol Pot died. Hun Sen emerged the winner in the election of July, '98

Economy: Cambodia is an under-developed country with 50 per cent of its land covered by virgin forests. Chief crops: Rice (occupies 90 per cent of arable land), maize, beans, black pepper, rubber. Cattle rearing and fishing are fairly well-developed. Tonle Sap is one of the world's richest sources of freshwater fish, and most farmers are fishermen, too. The forests are nch in valuable timber. Minerals Iron, copper, manganese and gold. Industry. Rice milling, wood and rubber.

Angkor Wat, built from 9th to 12th century, the largest cultural monument in the world, is the major tourist attraction.

Recent Events: In February 2005, 095 tion leader Sam Rainsy and two

27. Burkina Faso



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Literacy: 26.6%; Life Expectancy: 48.85; Currency: CFA Franc (\$1=518.9B); p.c.l: \$1,300 ; Date of Independence: 5th August, 1960.

Government Type: Parliamentary Republic: Head of State: Blaise Compaore.

History: The Republic of Burkina Faso in West Africa is a landlocked state surrounded by Mali, Niger, Benin, Togo, Ghana and Cote D' Ivoire.

Formerly a province of French West Africa called Upper Volta, the country gained full independence in 1960. Name changed to Burkina Faso in 1984.

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Misslon In India: Embassy of Burkina Faso G-5, Anand Niketan, New Delhi-110 021. Tal-224671670 2467167

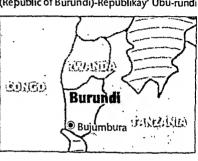
F-mail: emburnd@bol.net in Consulate: Mumbai:Tel:23643093, Fax:

E-mail:bhojwani@pn2.vsnl.net.in

28. Burundi

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(Republic of Burundi)-Republikay' Ubu-rundi



Kitega; Area: 27,834 sq.km; Population: 8,090,068; Languages: French and Kirundi; Religions: Christian-67%, indigenous beliefs-23%, Muslim-10%, Protestant-5%; Literacy: 51.6%; Life Expectancy: 50.81; Currency: Burundi Franc (\$1=9B0.00); p.c.l: \$ 700;

Capital: Bujumbura; Other Large Cities:

Date of Independence: 1st July, 1962. Government Type: Republic; President: Pierre Nkurunziza.

History: The Republic of Burundi is a small state in east central Africa. Burundi attained independence on July 1, 1962. Prior to independence, it formed part of the Belgian-administered UN Trust Territory of Rwanda-Urundi.

The population consists of Hutu or Bahutu tribesmen (85%), Tutsi or Watutsi people and Twa or Batwa pygmies. One of Africa's poorest and most densely populated states, and scene of one of the continent's worst

tribal wars. An unsuccessful Hutu rebellion in 1972-73 left 10,000 Tutsi and 150,000 Hutu dead. In the 1980s, a Tutsi-dominated regime pledged itself to ethnic reconciliation.

>

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29. Cambodia

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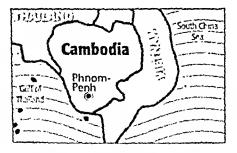
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(Kingdom of Cambodia) Preah Reach Ana Pak Kampuchea



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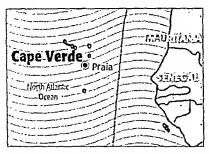
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Angkor Wat By Thomas . . . tury the largest solders association? world in the ratio to the first Recent there is an are this

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32. Cape Verde

Republic of Cape Verde/Republica de Cabo Verde



Capital: Praia; Area: 4033 sq.km; Population: 420,979; Languages: Portuguese, Crioulo; Religions: Roman Catholic (infused with indigenous beliefs), Protestant (mostly Church of the Nazarene); Literacy: 76.6%; Life Expectancy: 70.73; Currency: Escudo (\$1=87.6); p.c.i:\$ 6,200; Date of Independence: 5th July. 1975.

Government Type: Republic: President: Pedro Pires; PM: Jose Maria Neves.

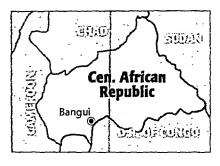
History: Cape Verde is an archipelago of 15 islands in the Atlantic, 600 km west of Dakar, Senegal. Volcanic in origin, the islands are divided into two groups: Barlavento (windward) and Sotavento (leeward). Most Cape Verdeans are descendants of the first Portuguese colonists who came in 1462 and the African slaves brought in soon after. The islands won independence on July 5,1975.

Economy: Repeated droughts and famines have made Cape Verde poorer. Chief crops are banana, coffee, coconuts, sugarcane, maize, beans. Fishing is important. Minerals: salt.

33. Cen. African Republic

Republique Centrafricaine

Capital: Bangui; Other Large Cities: Bambari, Bouar; Area: 622,9B4 sq .km; Population: 4,303,356; Languages: French and Sangho;



Religions: Indigenous beliefs-35%, Protestant-25%, Roman Catholic-25%, Muslim-15%; Literacy: 51%; Life Expectancy: 43.54; Currency: CFA Franc (\$ 1=518.9B); p.c.i: \$ 1,100; Date of Independence: 13th August, 1960.

Government Type: Republic; President: François Bozize: PM: Elie Dote.

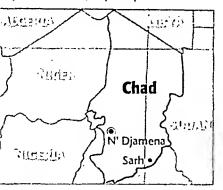
History: The Central African Republic lies in the heart of equatorial Africa. It became self-governing in 195B, and fully independent in 1960, as a member state of the French Community. In 1966 Col. Jean Bedel Bokasa, Chief of Staff of the Army, ousted President David Dacko and seized control of the govemment.

Bokasa was made President for life in 1972. In 1976, he set himself up an emperor, after the Napoleonic pattern. In 1979 a popular uprising drove him out. There was another coup in 19B1. A civilian government was installed in 1993.

A government of national unity was formed in June, 1996, after an army mutiny of a month earlier was suppressed with the help of French troops. There was another mutiny in Jan. '97, which ended after French intervention.

Economy: Principal agricultural products are cotton, coffee, groundnuts and tobacco. Cotton leads in exports. Diamonds account for half of the country's export earnings. Uranium mining is becoming increasingly important. Industry: timber, textiles, light manufacturing.

Republic of Chad) Republique du Tchad



Capital: N'Djamena; Other Large Cities: Sarh, Moundou; ; Area: 1,284,000 sq.km; PopulaJon: 9,944,201; Languages: French, Arabic and over 100 tribal languages; Religions: Muslim-51%, Christian-35%, Animist-7%, Others-7%; Literacy: 47.5%; Life Expectancy: 17.52; Currency: CFA Franc (\$ 1=518.98); D.c.l: \$ 1,500; Date of Independence: 11% August, 1960.

Government Type: Republic; President: driss Deby; PM: Pascal Yoadimnadji.

History: The Republic of Chad, a landocked country in North Central Africa, was a province of French Equatorial Africa. The country gets its name from Lake Chad, which ies on the western border with Niger and Nigeria. It became independent on August 11, 1960. Northern Muslim rebels have ought Southern Christian government and french troops since 1966. Idriss Deby took control in 1990.

Economy: The country's economy is entirely ural and based on agriculture and animal husbandry. Cotton and meat are the main exports. Cattle, sheep and camels are raised.

35. Chile

(Republic of Chile) Republica de Chile Capital: Santiago; Other Large Cities: Valparaiso, Antofagasta; <mark>Area: 75</mark>6,626 sq.



km; Population: 16,134,219; Languages: Spanish; Religions: Roman Catholic-89%, Protestant-11%; Literacy: 96.2%; Life Expectancy: 76.77; Currency: Peso (\$ 1= 542.75); p.c.l: \$ 11,300; Date of Independence: 18th September, 1810.

Government Type: Republic; Head of State& Govt (President): Michelle Bachelet.

History: The Republic of Chile lies on the western seaboard of South America, occupying the strip of land between Peru and Bolivia in the north to Cape Horn in the south.

Originally a Spanish colony, Chile became Independent in 1810. It is the first South American country to elect a Marxist Govt. (under Salvador Allende in 1970) which fell in a military coup in 1973. Human rights violations marked the rule of Augusto Pinochet, removed from office in 1989. Pinochet was arrested in London In Oct. '98, but returned to Chile in March, 2000. Put under house arrest, he was declared to be unfit to stand trial in July 2001.

Economy: Though wheat, other cereals, potatoes, beans etc. are cultivated, Chile has to import about one-third of its food. It is one of world's largest producers and a leading exporter of copper. There are significant deposits of nitrate, gold, silver, lithium, molybdenum and iron ore. Oil production provides about half the oil required by the country. Exports, manne products and fruits. The percent of Chile's trade is with Asian contries, 38% with EU, and the the Americas. Industries: Fish tiles, wood products.

Tierra del Fuego is the largest island in the archipelago of the same name at the southern tip of S. America. Part of the island is in Chile, part in Argentina.

Recent Events: In January, Supreme Court upheld indictment of Gen. Pinochet for nine kidnappings and one homicide during his dictatorship.

Mission in India: Embassy of the Republic of Chile, 146, Jor Bagh, New Delhi-110003; Tel: 24617123, 24617165, 24617270; Telefax: 91-11-24617102.

E-mail: embchile@vsnl.com

Indian Mission in Chile: Embassy of India, 871, Triana, Post Box No. 10433, Santigao, Chile. Tel: 00-56-2-2352005, 2352633; Fax: 00-56-2-2359607.

F-mail:embindia@entelchile.net

36. China

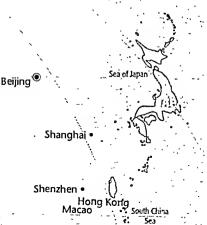
(People's Republic of China) Zhonghua Renmin Gonghe Guo Capital: Beijing (Peking); Other Large Cities: Shanghai, Canton, Shenzhen; Area: 9,561,000 sq.km; Population: 1,313,973,713; Languages: Chinese (Mandarin) and other local languages; Religions: Officially Atheist, Buddhism, Taoism, Muslim, Christian; Literacy: 90.9%; Life Expectancy: 72.58; Currency: Renminbi (Yuan) (\$ 1=8.00); p.c.i: \$ 6,800; Date of Independence: 221 BC (unification under the Qin or Ch'in Dynasty); 1st January, 1912 (Qing Dynasty replaced by a Republic); 1st October 1949 (People's Republic established)

Government Type: Communist state; President: Hu Jintao; PM: Wen Jiabao.

History: The most populous country in the world and the third largest in area, China is made up of 22 provinces, 5 autonomous regions and four municipalities. It occupies most of the habitable mainland of East Asia. Two-thirds of the territory is mountainous or desert; only one-tenth is cultivated. The eastern half of China is one of the world's bestwatered lands. Three great river systems (the Chang or Yangtze, Huang or Yellow and Xi) provide water for the farmlands.

One of the oldest countries in the world, China became a republic in 1911. Following internal conflicts after World War II involving the Kuomintang, Communists and other factions, China came under the domination of





Communist armies. The People's Reputific of China was prodained in Poking on October 1, 1949, under Mao Tse-Tung. The Kupmin-tand govil moved to Tahvan, Dec. 8, 1949. Map died in 1976 and Deng Xiaoping succeeded him as the 'paramount leader' of China. Deno died in 1997 and Jiang Zemin came to power.

On Oct. 25, 1971 China was admitted a member of the UN, displacing Nationalist China (Tarwen).

Economy: China is essentially an agricultural country. The main crops are not, tea, tobacco, sugarcane, jute, sova, croundnut and hemp. The main forest products are teak and ting oil. Among the phroical industries are cotton and woollen mills, iron, leather and electrical equipments. The chief minerals are coal, manganese, iron ora, gold, copper, lead, zinc, silver, tungsten, mercury, antimony and tin. Petroleum industry is steadily growing.

In late 1978, the Chinese leadership began moving the economy from a Soviet-style centrally planned economy to a more market-oriented system. The result has been a quadrupling of GDP since 1973. In 2002, with its 1.28 billion people but a GDP of just \$ 4600 per capita, China stood as the second largest economy in the world after the US (measured on a purchasing power panty basis).

China is a nuclear power well advanced in space technology. It launched its first earth satellite in Acril, 1970.

Student uprising in 1989 for political reform and liberalisation was put down by the government. Tiananmen Square, outside the Great Hall of the People was the main scene of the demonstrations. It is estimated that 5000 people died and 10,000 were injured. China released its top dissident leader Wang Dan in Acr. 98

China intends to downsize its three million-strong military to 2.5m. In July 199, China banned the quasi-religious sect Falur Cong in early 199, the constitution was amended to at to boister private enterprise. The govt,

follows a one-critic per family policy it has getz zero ponsilation grawth ov 2016

Thet: One of the live autonomous regions, Tibet is a thirtly populated region of hish pigteaus and massa emountains. Capital is Urasa, and population about 2,44 mill of whom 500,000 am Chinese, China Installed a Communist days in 1983, he rund the theoratic Lamaist Buddhet rule. There was an upnting in 1959, it was crushed, and Euddhum Has aimost totally suppressed. The Dalai Lama and 100,000 Tibetans fled to India

Recent Events: Work on the structure of the Three Corges Dam, the world's largest hydropower project, was completed in Maj-2006. A new railway, has been obened linkind Tibet to China, The 1100km Gindhal-Tbes railway has been built through some of the most difficult terrain on earth, and hies at one point to 5072 m above sea level

Mission in India: Embassy of the People's Republic of China, 50-D. Shant, path, Chanakvapun, New Delh-110021, Tel: 25881249; Fax:26882024.

E-mail:chinaemo_in@mfa.gov ದಾ

Indian Mission in China: Embassy of India, 1, Ritan Dong, Lu, Beiling 100600, China Tel: CC-86-10-65327908, Fax: CC-86-10-65324684.

E-mailundembch@public3 brainet.ch

Hong Kong

Hong Kong became a Special Administrative Region of China on July 1, 197 when the colony was handed over by Entain, which ruled it for TS6 years.

Capital: Victoria: Area: 1077 sq km; Population: 6,940 412; Languages English and Cantonese: Religions: Confucianism and Buddhism; Literacy: 93.5% Cumancy: Hong Konn Dollar (\$1 = 7.76) p.c.l. \$ 32,400; Cate of Independence: Special Administration region of China.

Government Type: Emitted Cembranch Chief Executive: Onnoid Trans

Lying along the south east coast of China, at the mouth of the Canton river, Hong Kong comprises Hong Kong island, Kowloon Peninsula, the New Territories and over 230 small islands. Hong Kong became a British colony in 1843. The New Territories were acquired by Britain in 189B by lease for 99 years. By an agreement reached in 1984, China recovered sovereignty over Hong Kong in July 1997.

The population is almost entirely Chinese with a sprinkling of other nationalities. It is one of the world's greatest transhipment ports.

Indian Mission In Hong Kong: Consulate General of India, 16-D United Centre, 95, Queensway, Hong Kong. Tel: 00-852-252B402B, 25272275; Fax: 00-852-28664124.

E-mail:cg@indianconsulate.org.uk/consular@indianconsulate.org.hk

Web: www.indianconsulate.org.hk

Macao

Capital: Macao; Area: 15.5 sq.km; Population: 453,125; Languages: Portuguese and Cantonese; Religions: Confucianism; Literacy: 94.5%; Currency: Pataca (\$1 = 7.99); p.c.l: \$22,000.

Chief Executive: (Hau-wah) Edmund Ho.

Macao or Macau is a former Portuguese territory in South China, at the mouth of the Canton river. The territory consists of the Macao peninsula and the adjoining islands of Taipa and Coloane. Portugal granted it broad autonomy in 1976. As per the agreement between Portugal and China, Macao reverted to China on Dec. 20, 1999. China has permitted Macao to continue as an independent territory mainly because of the blg entrepot trade It commands. Macao is a free market for gold and an infamous centre of smuggling and gambling. China has pledged to Portugal that It will implement the 'one country two systems' principle in Macao.

The population is almost entirely Chinese. Industry, once restricted to matches and fireworks, now includes plastics, textiles, cameras, binoculars and such other consumer items. Cultivation is sparse. Only rice and vegetables are grown. Macao has an important fishing industry.

37. Colombia

(Republic of Colombia) Republica de Colombia



Capital: Bogota; Other Large Cities: Medellin, Cartagena; Area: 1,139,000 sq.km; Population: 43,593,035; Languages: Spanish; Religions: Roman Catholic-90%; Literacy: 92.5%; Life Expectancy: 71.99; Currency: Peso (\$1=2,562); p.c.l: \$7,900; Date of Independence: 20th July, 1810.

Government Type: Republic; Head of State & Govt (President): Alvaro Uribe Velez,

Colombia, the only nation named after Christopher COLUMBU5, situated in the north west of South America, extends up to the Isthmus of Panama. It is the only South American country that borders on both the Atlantic and Pacific oceans.

History: Colombia was discovered by Alonso de Ojeda in 1499. It was once a part of the South American Spanish Empire. In 1819, 5imon Bolivar, the first President, broke the hold of Spain. Bolivar united New Granada, as it was called, with Venezuela and Ecuador in the Greater Colombia Confedera.

tion in 1819. Venezuela and Ecuador broke away in 1929-30, and Panama withdrew in 1903.

The country is caught in the grip of a vicious guerrilla war that has claimed 40,000 lives in the past decade. The two main Leftwing guerilla groups are the Revolutionary Armed Forces of Colombia (FARC), and the smaller National Liberation Army.

Colombia is plaqued by violence, mainly resulting from drug trafficking and govt's control measures. In recent years, the country has recorded the highest incidence of homicides per capita in the world.

Economy: Colombia is the largest producer and exporter of mild coffee. Other products are bananas, fresh flowers, cotton fibre, sugar, rice, tobacco, maize and wheat. The country Is the world's leading producer of emeralds (50% world output) and Is a substantial producer of platinum and gold; it holds the largest coal reserves in Latin America, rich nickel deposits and natural gas fields.

Industries include textiles, cement, motor vehicles, beverages, food products, chemicals and non-metallic minerals.

Colombia has 36 universities. The oldestthe Javeriana Pontifical Catholic University was founded in 1622, and the National University in 1868. Gabriel Garcia Marquez, the internationally renowned writer, Colombia's most famous son.

Recent Events: In February, 2006 Colombia and the US agreed on a free trade deal. In March, parties loyal to President Uribe won an overwhelming victory in parliamentary elections. In May, President Uribe won a second term in office.

Mission in India: Embassy of Colombia, 4/ 21, Shanti Niketan, New Delhi-110 021; Tel:26872771,26110773, 26110824; Fax: 26112486

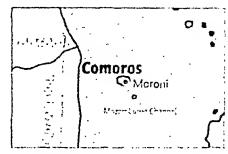
E-mail:emcolin@bol.net.in

Indian Mission In Colombia: Embassy of India, Cerrera 7, No.71-21, Olficina 1001,

Edificio Bancafe, Bogota DC, Colombia, Tel: 00-57-1-3174865, Fax:00-57-1-3174976. E-mail:indembog@cable.net.co

38. The Comoros

(Federal Islamic Republic of the Compros) Jumhuriyat al-Qumer al-Itthadiyah al-Islamiyah



Capital: Moroni; Other Large Citles: Fomboni, Mutsamudu; Area: 1862 sq.km; Population: 690,948; Languages: Arabic and Comoran; Religions: Islam-98%, Roman Catholic-2%; Literacy: 56.5%; Life Expectancy: 62.33; Currency: Comorian Franc (\$ 1=389.23); p.c.i: \$1,600; Date of Independence: 6th July, 1975.

Government Type: Independent Republic; Head of State: Azali Assoumani; PM: Hamada Madi.

History: The Comoro Islands lie at the northern end of the Mozambique Channel, between Africa and Madagascar. The archipelago consists of 3 islands—Grande-Comoroe, Anjouan and Moheli-and a number of islets and coral reefs. With neighbouring Mayotte, they were attached to Madagascar from 1914 to 1947, when the four islands became a French Overseas Territory. In a 1974 referendum, the three islands voted for independence while Mayotte voted to remain French. The main islands are volcanic and Grande-Comoroe, the largest island nated by Mount Karthala (2361 m volcano. The islands are densely f

In Aug., '97, separatists from Anjouan seeking a return to French rule declared independence from the Comoros federation at a rally in Mutsamudu, the main town. They wanted a status similar to that of Mayotte, which now is a French overseas territory. In Feb. '98, voters in the Indian Ocean island of Nzwani voted for a complete breach from Comoros.

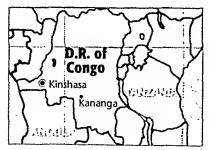
The population is a mixture of various strains—Arabs, Africans, Malagasys, Persians, Indians, Indonesians and Europeans. African and Arab influences are strongest. A purely European population of around 1500 completes the scene. Grande-Comoroe is the most populous island and has as capital and principal town, Moroni.

Economy: Agriculture is the mainstay of the economy. (Vanilla, copra, perfume plants, fruits). Industry: Perfumes.

Mission in India: Hon.Consulate, B-50 Gulmohar Park, New Delhi. Tel:26791100; Fax: 26791002.

39. Congo, D.R. of (Formerly Zaire)

Democratic Republic of the Congo



Capital: Kinshasa; Other Large Cities: Lubumbashi, Kananga; Area: 2,344,885 sq km; Population: 62,660,551; Languages: French, Kiswahili, Lingala and other African languages; Religions: Roman Catholic-50%, Protestant-20%, Kimbanguist-10%,

Muslim-10%, others-10%; Literacy: 65.5%; Life Expectancy: 51.46; Currency: Congolese Franc (\$1= 447.60); p.c.i: \$ 700; Date of Independence: 30th June, 1960.

Government Type: Dictatorship; President: Gen. Joseph Kabila.

History: Originally a Belgian colony (Belgian Congo), Zaire, in west central Africa, became independent on June 30, 1960. Until Oct. 1971, Zaire was known as the Democratic Republic of Congo or Congo (Kinshasa). In 1971, the name of River Congo was changed to River Zaire.

Economic difficulties plagued Zaire in the 1980s and the situation worsened in the 1990s. President Mobutu announced an end to a 20-year ban on multi-party politics in 1990. In 1991 he agreed that the political opposition should form a government. During 1994, Zaire was flooded with Hutu refugees (a million) from the ethnic bloodshed in Rwanda.

The year 1997 saw the fall of President Mobutu Sese Seko (in power since 1965), after a 7-month civil war. In May, Mobutu left Kinshasa and the next day rebel leader Laurent Kabila declared himself head of state. Zaire was renamed Democratic Republic of Congo. Lawrent Kabila was assassinated in January 2001. His son Joseph Kabila became the new leader. Two rebel leaders were swom in VPs (July 03) • France sent a UN-backed peacekeeping force to eastern Congo to quell fighting between ethnic militias.

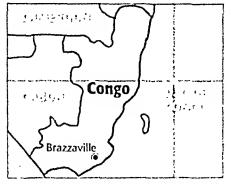
Economy: The major assets of Congo are her copper mines and the diamond deposits. The country is nich in other minerals like cobalt (60% of world reserves), cadmium, manganese, zinc and uranium. The forests abound in high class wood like mahogany, ebony and teak. Principal agricultural products are coffee, palm oil, rubber, sugarcane, maize, rice, cassava and plantains. Main manufactures are tobacco, textiles, wood products, metal items, building materials, foodstuffs and beverages.

Mission In India: Embassy of the Democratic Republic of Congo, D-6, Anand Niketan, New Delhi-110 021. Tel: 51660976.

E-mail: CongoEmbassy@yahoo.co.in

40. Congo

(Republic of the Congo) Republique du Congo



Capital: Brazzaville; Other Large Cities: Pointe-Noire, Loubomo; Area: 342,000 sq. km; Population: 3,702,314; Languages: French, Lingala, Congo, Teke; Religions: Christian-50%, Animist-48%, Muslim-2%; Literacy: 83.8%; Life Expectancy: 52.8; Currency: CFA Franc (\$ 1=518.98); p.c.i: \$ 750; Date of Independence: 15th August 1960.

Government Type: Republic; President: Gen. Denis Sassou Nguesso.

History: Formerly part of the French Equatorial Africa, the Republic of Congo in West Central Africa became autonomous within the French Community in 1958 and fully independent in Aug. 1960. In 1963, the country adopted a Marxist-Leninist stance. In 1969, a new constitution was promulgated, Marxism was renounced in 1990. A democratically elected government came into office in 1992.

In June 97, fighting broke out between armed forces backing President Lissouba and his once marxist predecessor Denis Sassou Nguesso. Troops loyal to the latter took control of Brazaville in October.

Economy: Agriculture: Palm oil and kernels, cassava, cocoa, coffee, tobacco, Industry: Processed foods, textiles, cement, metal industries. Main exports: timber, diamonds, palm oil, crude petroleum, sugar and groundnuts.

Mission in India: Embassy of the Republic of Congo stationed at Beijing.

41. Costa Rica

(Republic of Costa Rica) Republica de Costa Rica



Capital: San Jose; Other Large Cities: Alajuela, Cartago, Area: 51,100 sq.km; Population: 4,075,261; Languages: Spanish, Religions: Roman Catholic-76.3%, Evangelical-13.7%, Jehovah's Witnesses-1.3%, Other Protestant-0.7%, others-4.8%, None-3.2%; Literacy: 96%; Life Expectancy: 77.02; Currency: Co-Ion (\$1=512.195); p.c.l: \$ 11,100; Date of Independence: 15th September 1821.

Government Type: Democratic Republic; Head of State & Govt (President): Oscar Anas Sanchez.

The Republic of Costa Rica (the Rich Coast) is a Central American state. It lies between Nicaragua and Panama

History: For nearly three centuries Costa Rica formed part of the Spanish American dominion. In 1821 it became independent.

Economy: The country is mainly acres tural. Coffee is the most important man accounting for about half the crops include banana, suga:

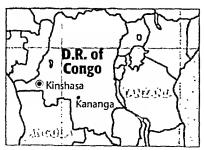
The population is a mixture of various strains—Arabs, Africans, Malagasys, Persians, Indians, Indonesians and Europeans. African and Arab influences are strongest. A purely European population of around 1500 completes the scene. Grande-Comoroe is the most populous island and has as capital and principal town, Moroni.

Economy: Agriculture is the mainstay of the economy. (Vanilla, copra, perfume plants, fruits). Industry: Perfumes.

Mission in India: Hon.Consulate, B-50 Gulmohar Park, New Delhi. Tel:26791100; Fax: 26791002.

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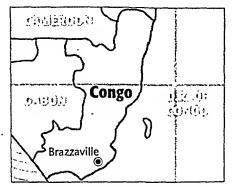


Mission in India: Embassy of the Democratic Republic of Congo, D-6, Anand Niketan, New Delhi-110 021. Tel: 51660976.

E-mail: CongoEmbassy@yahoo.co.in

40. Congo

(Republic of the Congo) Republique du Congo



Capital: Brazzaville; Other Large Cities: Pointe-Noire, Loubomo; Area: 342,000 sq. km; Population: 3,702,314; Languages: French, Lingala, Congo, Teke; Religions: Christian-50%, Animist-48%, Muslim-2%; Literacy: 83.8%; Life Expectancy: 52.8; Currency: CFA Franc (\$ 1=518.98); p.c.i: \$ 750; Date of Independence: 15th August 1960.

Government Type: Republic; President: Gen. Denis Sassou Nguesso.

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In June 97, fighting broke out between armed forces backing President Lissouba and his once marxist predecessor Denis Sassou Nguesso. Troops loyal to the latter took control of Brazaville in October.

Economy: Agriculture: Palm oil and kernels, cassava, cocoa, coffee, tobacco. Industry: Processed foods, textiles, cement, metal Industries. Main exports: timber, diamonds, palm oil, crude petroleum, sugar and groundnuts.

Mission in India: Embassy of the Republic of Congo stationed at Belling.

41. Costa Rica

(Republic of Costa Rica) Republica de Costa Rica



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Economy: The country is the tural. Coffee is the most included a second accounting for about crops include barara

reflects a population with a 95% literacy rate. Industry: Pharmaceuticals, furniture, aluminium, textiles, tourism. People enjoy a relatively high standard of living. 93% have electricity. Silicon processors have br-

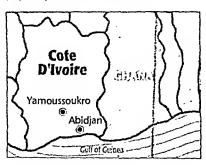
cation, creating a highly skilled workforce that

ought prosperity to Costa Rica in recent years.
Mission In India: Hon. Consulate General of costa Rica, D-388 Defence Colony, New Delhi-110 024. Tel:24625670; Fax: 23327231;

E-mail: bradynd@de12.vsnl.net.in

42. Cote D'Ivoire (Ivory Coast)

(Republique de la Cote d'Ivoire)



Capital: Yamoussoukro (official), Abidjan(de facto); Other Large Cities: Bouake; Area: 322,462 sq.km.; Population: 17,654,843; Languages: French and Tribal; Religions: Christian-20-30%, Muslim-35-40%, Indigenous-25-40% (2001). The majority of foreigners (migratory workers) are Muslim-70%

and Christian (20%); Literacy: 50.9%; Life Ex-

pectancy: 48.82; Currency: CFA Franc

(\$1=518.98); p.c.i: \$ 1,600; Date of Independence: 7th August, 1960.

Government Type: Republic; President: Laurent Gbagbo; PM: Charles Konan Banny.

Cote D'Ivoire in Western Africa is bordered by Mali and Burkina Faso in the north, Ghana in the east, the Gulf of Guinea in the south,

History: The Republic of Ivory Coast,

and Liberia and Guinea in the west.

once an overseas territory of France, became independent on August 7, 1960. From 1986, the French version of the name became the only correct title. There are about 60 ethnic groups, the principal being the Baule, the Bete and the Senufo General Robert Guei seized power in Dec. 1999. There was a coup attempt in 2002

A peace agreement was signed in 2003, but

there was trouble again. A power-sharing

plan was arrived at in Mar. 03, and ceasefire

Economy: Agriculture, forestry and fishing

signed in May.

employ 90 per cent of the population. Cote D'Ivoire is world's largest cocoa producer the third most important coffee producer and the most important African producer of tim ber. Sugar, cotton, bananas and pineapples are other important crops. Industrialisation has developed rapidly since independence particularly food processing, textiles and saw mills. Important minerals: Diamonds and manganese.

Mission in India: Embassy of Cote D Ivoire stationed at Moscow.

Hon.Consulate, Punj House, M-13 Connaught Place, New Delhi-110 001. Tel 23415621.

E-mail: virendra@ punj.com

22426649.

Indian Mission in Cote D'Ivoire (Ivorg Coast): Embassy of India, Villa No. 105, rue L98, 7eme Tranche, Cocody/II Plateaux Angre, 06 B.P. 318, Abidjan 06, Cote d'Ivoire Tel: 00-225-22423769, 22427079; Fax: 00

E-mail:indemabj@africaonline.co.ci

43. Croatia

(Republic of Croatia) Republika Hrvatska



Capital: Zagreb; Other Large Cities: Zagreb, Split; Area: 56,538 sq .km; Population: 4,494,749; Languages: Serbo-Croatian; Religions: Roman Catholic-87.8%, Orthodox-4.4%, Muslim-1.3%, Protestant-0.3%, others and unknown-6.2%; Literacy: 98.5%; Life Expectancy: 74.68; Currency: Kuna (\$1=5.7365); p.c.l: \$ 11,600; Date of Independence: 25th June, 1991.

Government Type: Parliamentray Democracy: President: Stipe Mesic; PM: Dr. Ivo Sanader.

History: Former Yugoslavia's second largest republic, Croatia in S.E. Europe, has an extensive Adriatic coastline.

Croats migrated to their present territory in the 6th century. Croatia was united with Hungary in 1091. In 1918, Croatia became a part of the new Kingdom of Serbs, Croats and Slovenes, which was renamed Yugoslavia in 1929. Croatia then became one of the six 'Socialist Republics' constituting the Yugoslav federation. On June 25, 1991, Croatia declared independence. Serbs rebelled, sparking a 7 month-long civil war. The Krajina and other predominantly Serb areas proclaimed the desire for union with Serbia. UN peacekeeping mission arrived at the beginning of 1992, European Community (EC) recognised Croatia on January 15, 1992. Fighting between ethnic Serbs and Croats continued. A

ceasefire with Serb rebels forming a self-declared republic of Krajina was agreed to in March, 1994. In Aug, '96, Croatia and Serbia agreed to resume normal diplomatic ties after years of hostility. Croatia joined NATO's extended family in May, 2000.

Ethnic breakdown: Croats-75%; Serbs-12%: others-13%.

Economy: Agricultural products: Wheat, maize, potatoes, olives, plums, livestock, timber. Industry: Textiles, chemicals, coal, lignite, cement, sugar, steel, plastics, textiles.

Croatia's spectacular Adriatic coastline has long been a major package-tourist attraction notably the ancient city of Dubrovnik, which took a severe battering from the Yugoslav army in 1991.

Nearly 70% of trade exchange between ex-Yugoslavia and India was with Croatia. Upto one-third of the Indian fleet for nearly 40 years was built in Croatian shipyards.

Mission In India: Embassy of the Republic of Croatia, A-15, West End, New Delhi-110 021. Tel: 26876871/72: Fax: 26876873

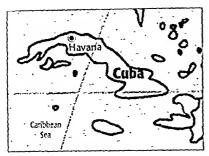
E-mail:croemnd@del1.vsnl.net.in

Indian Misslon In Croatla: Embassy of India, Boskoviceva 7A 10000, Zagreb, Croatia. Tel: 00-385-1-4873239,4873240,4873241; Fax: 00-385-1-4817907.

E-mail:embassy.india@zg.tel.hr Web: www: ring.net/india

44. Cuba

(Republic of Cuba) Republica de Cuba Capital: Havana; Other Large Cities: Santiago de Cuba, Santa Clara; Area: 110,922 sq.km; Population: 11,382,820; Languages: Spanish: Religions: Nominally 85% Roman Catterie before Castro assumed power; Protestand Jehovah's Witnesses, Jews, and Santal also represented; Literacy: 97%; Literacy: ancy: 77 41; Currency: Peso (\$ 1 = *) 3.2 \$ 3,500; Date of Independence -1902.



Government Type: Communist State; Head of State & Govt (President): Dr.Fidel Castro Ruz; First Vice President: Raul Castro Ruz.

History: Cuba, the largest island in the Greater Antilles group is known as the Pearl of the Caribbean Sea. It is formed by two main islands - the Island of Cuba and the Isle of Youth- and more than 4000 keys and small isles. Its neighbours are USA, Mexico, Jamaica and Haiti.

Columbus discovered Cuba in 1492 and Spain ruled it for four centuries. In 1898 Cuba became an independent republic.

In 1959 Dr. Fidel Castro overthrew General Batista, the dictatorial president and took over power. Emigres made an unsuccessful Invasion at the Bay of Pigs in Apr. 1961. In 1962 USA leamed that USSR had brought nuclear missiles to Cuba. After a warning from President J.F. Kennedy, the missiles were removed. A communist constitution came into force in 1976, and direct parliamentary elections were permitted in 1992. In Jan. '98, Fidel Castro was re-elected president.

Economy: Cuba is the largest producer of sugar in the world. Tobacco is the second largest crop. Cattle, poultry and fishing have become important in recent years. Cuba is rich in nickel deposits. Copper, chromite and manganese are also found.

industry: Cement, sugar, food-processing, textiles, tobacco. Sugar, nickel and fishing are the top three export industries.

Recent Events: In February 2006, propa-

ganda war escalated in Havana as Preside Castro unveiled a monument which blocks the view of illuminated messages - some of them about human rights - displayed on the US mission building. In July, President Castrounderwent surgery and temperorily hander over control of the government to his brother Raul.

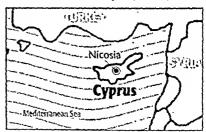
Mission in India: Embassy of the Republic of Cuba, E-1/9, Vasant Vihar, New Delhi-110 057. Tel: 26145459, 26143849, 26142515; Fax: 26143806.

E-mail: embcuind@del6.vsnl.net.in Indian Mission In Cuba: Embassy of India, Calle 21, No. 202, Esquina K, Vedado, La Havana, Cuba. Tel: 00-53-7-333777, 00-53-7-333169, 551700; Fax: 00-53-7-333287.

E-mail:eoihav@ceniai.inf.cu

45. Cyprus

(Republic of Cyprus) Kypriaki Dimokratia (Greek)/Kibiris Cumhuriyeti (Turkish)



Capital: Nicosia; Other Large Cities: Limassol, Larnanca; Area: 9,251 sq.km; Population: 784,301; Languages: Greek, Turkish and English; Religions: Greek Orothodox-78%, Muslim-18%, Maronite, Armenian Apostolic and others-4%; Uteracy: 97.6%; Life Expectancy: 77.82; Currency: Cyprus Pound (\$1≈0.466). p.c.i: \$ 21,600; Date of Independence: 16th August, 1960.

Government Type: Republic; President & PM: Tassos Papadopoulos.

History: The Republic of Cyprus lies In the North Eastern corner of the East Mediterra-

nean basin, at the meeting point of three continents-Europe, Asia and Africa. Cyprus became independent in 1960. In 1974 it was invaded by Turkey and nearly 40% of its territory is still under Turkish occupation. A Turkish Cypriot Federated State was proclaimed in 1975 and in 1983 the state unilaterally proclaimed itself as the Turkish Republic of Northern Cyprus' (TRNC). In 1994, informal talks were held between the Presidents of Cyprus and TRNC but no progress was made. In Aug'96, violence jolted Cypriots on both sides. UN attempts to reunify Cyprus have not been successful.

Economy: The healthy climate and the natural beauty of the island make it an ideal place for tourists.

Cyprus is mainly an agricultural island. Main agricultural exports are: potatoes, grapes, carrots, fresh vegetables, citrus, milk. Main industrial exports are: readymade clothing, footwear, cement, travel goods, plastic products, water pumps, fumiture, cosmetics, etc.

Recent Events: In May, 2006 Greek Cypriots backed ruling coalition in parliamentary elections, endorsing its opposition to reunification efforts. In July, UN-sponsored talks between President Papadopolous and Turkish Cypriot leader Mehmet Ali Talat agreed a series of confidence-building measures and contacts between the two communities.

Mission in India: High Commission of the Republic of Cyprus, 106, Jor Bagh, New Delhi-110 003. Tel: 24697503, 24697508; Fax: 2462 8828.

E-mail:cyprus@del3.vsnl.net.in Web: www.cyprushedelhi.com

Indian Mission In Cyprus: High Commission of India, 3, Indira Gandhi Street, Montpamasse Hill, P.O. Box 25544, Engomi, 2413 Nicosia, Cyprus. Tel: 00-357-2-351741, 351170; Fax:00-357-2-350402.

E-mail:india@spidernet.com.cy

46. Turkish Cyprus

Turkish Republic of Northern Cyprus



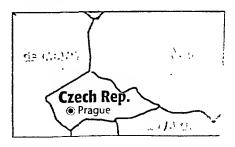
Capital: Nicosia; Area: 3355 sq.km; Population: 134,000 (1995 estimate); Languages: Turkish; Currency: Turkish Lira.

PM: Dervis Eroglu.

The Turkish - controlled area of Northern Cyprus unilaterally declared independence in 1983. It has been named Turkish Republic of Northern Cyprus.' The Republic is not internationally recognised although it does have trade relation with some countries. There is a 50-strong Legislative Assembly.

47. Czech Republic

(Ceska Republika)



Capital: Prague Other Large Cities 300 Ostrava, Area 78,864 sq km; Population 10,235 455 Languages: Czech; Fair man Catholic-26 8%, Protestant-Time 3 3% unspecified-8.8%, una sauce eracy 99% Life Expectance: Tell The Koruna (\$1 = 22.55); p 1 of Independence: 1= ja=

Government Type: Parliamentary Democacy; President: Vaclav Klaus; PM: Jiri Paroubek.

History: The Czech Republic and Slovakia became independent states on January 1, 993, when the Czech and Slovak Federal depublic (Czechoslovakia) was dissolved.

Czechoslovakia, a republic landlocked in Central Europe, was composed of 64% Czechs and 31% Slovaks. The Czechoslovak locialist Republic was established in January 969 as a federal state of two nations of equal ights. In 1990, the country changed its name of the Czech and Slovak Federative Republic and dropped 'socialist' to symbolise its departure from the communist past. Disputes between the two regions over post-communist reforms tumed the union bitter. In June, 1992 the 74-year old federation's Czech and

The Czech republic is bounded by Gernany, Poland, Slovakia and Austria. Czechs constitute 81.2%, Moravian and Silesians 13.7%, and Slovaks 3.1%. About 40% of people call themselves athelsts. Czech Republic is a member of NATO.

ilovak regions agreed to part.

Economy: Agriculture: Sugarbeet, wheat, potatoes, barley, maize, rye. Industry: Pig iron, crude steel, rolled steel products, cement, paper, sulphunic acld, synthetic fibres, sugar, beer, armaments, cars. Minerals: Coal, caolin, uranium.

Recent Events: In June 2006, general elections resulted in hung parliament.

Mission in India: Embassy of the Czech Republic, 50-M, Niti Marg, Chanakyapuri, New Delhi-110 021, Tel: 26110205, 26110318, 26110382, 26886218; Fax: 91-11-26886221.

E-mail:newdelhi@embassy.mzv.cz

Web: mfa.cz/newdelhi

Indian Mission In Czech Republic: Embassy of India, Valdstejnska 6, Malastrana, 118 00 rague-1, Czech Republic. Tel: 00-420-2-i7533490-93; Fax:00-420-2-57533285, i7533378.

E-mail: indemprague@bohem.net.cz/ eiprague.comwing@nectraa.cz

48. Denmark

(Kingdom of Denmark) Kongeriget Danmark



Capital: Copenhagen; Other Large Cities: Odense, Alborg, Randers; Area: 43,074 sq km; Population: 5,450,661; Languages: Danish; Religions: Evangelical Lutheran-95%, Other Protestant and Roman Catholic-3%, Muslim-2%; Literacy: 99%; Life Expectancy: 77.79; Currency: Danish Krone (\$1=6.89); p.c.l: \$ 34,600; Date of Independence: Denmark was first organised as a unified state in the 10th century. In 1849, Denmark became a Constitutional Monarchy.

Government Type: Constitutional Monarchy; Head of State: Queen Margrethe II; PM: Anders Fogh Rasmussen.

History: Denmark, the smallest of the Scandinavian countries, is situated in northern Europe between the North Sea and the Baltic Sea. It comprises the peninsula of Jutland, the Islands of Zealand, Funen and Bomholm and 480 smaller islands. Greenland, the world's largest island, and the Faeroe Islands also form part of the Kingdom of Denmark. No one in Denmark is more than 52 km from the sea.

No wonder that the Danes were Vikings a few generations ago.

Denmark is a constitutional monarchy, the Queen and the Parliament (Folketing) jointly holding legislative powers.

Economy: About 62 per cent of the land is under cultivation. Denmark is one of the largest exporters of dairy products. Fishing forms an important occupation. Denmark is famous for its co-operative institutions. The first cooperative society was established in 1866. Shipbuilding, machinery of different types, textiles, furniture, iron and steel-ware account for a major portion of industry. Danish exports include stylish furniture, the hi-fi equipment of Bang & Olufsen, and the ubiquitous plastic Lego bricks. Legal marriage between persons of the same sex has been permitted since 1989. Denmark is close to being the leading donor among industrialised countries. Foreigners form less than 5% of the population.

Recent Events: In January-February, diplomatic storm grew over cartoon depictions of the prophet Muhammad, published by a Danish newspaper in 2005, which angered many Muslims.

Mission in India: Royal Danish Embassy, 11-Aurangzeb Rd., New Delhi-110011. Tel: 23010900, 23010002/04, 23010899 (Visa); Telefax: 23792019, 23792891.

E-mail:denmark@vsnl.com

Indian Mission In Denmark: Embassy of India, Vangehusvej 15, 2100 Copenhagen, Denmark. Tel: 00-45-39299201, 39182888, 39182995; Telefax: 00-45-39270218.

E-mail:indemb@euroconnect.dk

Outlying Territories of Denmark The Faeroe Islands

Capital: Torshavn: Area: 1399 sq.km; Population: 47,246.

PM: Joannes Eidesgaard.

The islands, in the North Atlantic, are mountainous and of volcanic origin. The islands have been represented in the Danish Parliament since 1851. They are self-governing in most matters.

Only 2% of the surface is cultivated. Grazing is the mainstay of the economy. Deep sea fishing is the most important sector.

Greenland

Capital: Nuuk (Godthaab); Area: 2,175,600 sq.km; Population: 56,361.

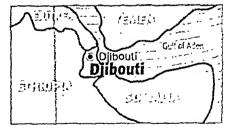
PM: Hans Enoksen. The world's largest island, Greenland lies between the North Atlantic and the Polar Sea, Over 80% of the area is ice-capped.

A Danish possession since 1380, Greenland became an integral part of the Danish Kingdom in 1953. In 1979 home rule was won by Greenland. With this, Greenlandic place names came into official use. Greenland is now Kalaallit Nunaat. The capital is Nuuk (old one Gothab). Full internal self-government was attained In Jan., 1981.

Fish is the main product of the island. Greenland is the world's only source of natural cryolite, important in making aluminium.

49. Djibouti

(Republic of Djibouti) Jumhouriyya Djibouti



Capital: Djibouti; Area: 21,783 sq.km; Population: 486,530; Languages: French, Arabic, Affar, Issa; Religions: Muslim-94%, Christian-6%; Literacy: 67.9%; Life Expectancy: 43.17; Currency: Djibouti Franc (\$1 =175); p.c.i: \$ 1,300; Date of Independ June, 1977.

Government Type: Republic; President: Ismail Omar Gueileh; PM: Mohamed Dileita Dileita

History: Djibouti, first known as French Somaliand and then as the French Temtory of Afars and Issas, became independent on June 27, 1977 under the name of Djibouti. Lying between Ethiopia and Somalia and looking out on the Red Sea and the Gulf of Aden, the state is of extreme strategic importance.

Economy: The land is economically poor,

being mostly voicanic desert with scattered plateaus and highlands. Agriculture is possible only in restricted areas with irrigation facilities. Goats, sheep and camels form the major wealth of the state. Salt is a major product. Huge salt deposits are found in the lakes of Alol and Assai. Trade is almost entirely based in the capital Djibouti. French aid as well as assistance from Arab countries is the mainstay of the economy. A 3 - year-long uprising by Afar rebels in the north belonging to the Front for the Restoration of Unity and Democracy (FRUD) ended with a peace accord in 1994. Ethiopia and Somalia have renounced their claims to Djibouti.

Mission in India: Embassy of the Republic of Djibouti stationed at Tokyo.

Mission in India: Honorary Consulate 3, Aurangzeb Lane, New Delhi-110011; Tei: 23011642/648; Telefax: 23011634.

E-mail: djibouti@spectranet.com

50. Dominica

(Commonwealth of Dominica)

Capital: Roseau; Area: 750 sq km; Population: 68,910; Languages: English and French Patois; Religions: Roman Catholic-77%, Protetant-15%, None-2%, others-6%; Literacy: 94%; Life Expectancy: 74.87; Currency: East Caribbean Dollar (\$1=2.70); p.c.i: \$5,500; Date of independence: 3rd November, 1978



Government Type: Parliamentary Democracy; President: Nicholas J.O. Liverpooi; PM: Roosvelt Skerrit.

History: Commonwealth of Dominica lies in the Lesser Antilles in Eastern Caribbean. Once a British protectorate, it assumed the status of a British Associate State in 1967 and became fully independent on Nov. 3, 1978.

The island is volcanic in origin and largely mountainous with numerous thermal springs. The population includes Negroes, Mulattoes, Carib indians and Europeans.

Economy: Exports include bananas, cocoa, copra and fruits. Tourism is an important industry.

The French franc, the pound sterling and East Caribbean dollar are legal tender.

Mission in India: Honorary Consulate of Commonwealth of Dominica, 283, Gulmohar Enclave, New Delhi-110011; Tei: 26862595; Fax: 26862595.

E-mail: shukla_dominica@hotmail.com

51. Dominican Republic

(Republica Dominica)

Capital: Santo Domingo; Other Large Cities: La Vega, San Pedro; Area:48,442 sq km; Population: 9,183,984; Languages: Spanish; Religions: Roman Catholic-95%; Literacy: 84.7%; Life Expectancy: 71.73; Currency: Peso (\$1=32.87); p.c.i: \$7,000; Date of Independence: 27th February, 1844.

Government Type: Republic; Head of State & Govt (President): Leonel Fernandez.

History: The Dominican Republic in the West Indies occupies the eastern two-thirds



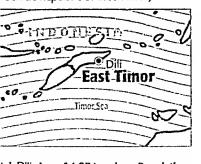
paniola, the second largest island of the er Antilles. Originally under Spain, the inican Republic became independent in . The population is mainly composed of ed race of European (Spanish) and Afrilood.

onomy: The state is predominantly agural. The most important crops are sugie, coffee, cocoa, tobacco and rice. Iny: Sugar refining, textiles, cement.

irricane George struck the country in ., 1998. In 2003, Amelia Vega, was ned Miss Universe.

East Timor

nocratic Republic of East Timor)



tal: Dili; Area: 14,874 sq km; Population: 0,880; Languages: Tetum & Portuguese ial), English and 8ahasa Indonesian (workanguages); Religions: Catholic-90%, Mus-1%, Protes-tant-3%, Hindu-0.5%, 8uddhist, nist; Literacy: 58.6% (2001); Life Expectr. 66.26; Currency: 1 US dollar and Indoan Rupiah(\$1=9010); p.c.l: \$ 400; Date of pendence: 20th May, 2002.

Government Type: Republic; President: Xanana Gusmao; PM: Mari Alkatin.

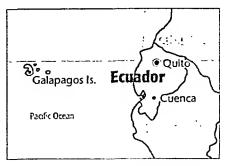
History: At midnight on May 19, 2002 East Timor became an independent country, after 450 years of Portuguese rule, 24 of brutal Indonesian occupation and two-and-a-half under the supervision of the UN. East Timor became a member of the United Nations in Sept. 2002.

Economy: East Timor's economy is dominated by agriculture with 75% of the country's population engaging in this activity. The major agricultural products are sweet potatoes and com along with cash crops especially coffee. Farmers on the coastal plains also grow rice and plantation crops such as rubber, tobacco, and coconuts. In addition, the forests yield many kinds of timber, including sandal wood.

Most of the people of Timor are of mixed Malay, Polyneysia and Papuan descent. Members of a small ethnic community play an important role in the island's commerce.

53. Ecuador

(Republic of Ecuador) Republica del Ecuador



Capital: Quito; Other Large Cities: Guayaquil, Cuenca; Area: 283,561 sq km; Population: 13,547,510; Languages: Spanish, Quechuan and tribal dialects; Religions Roman Catholic-95%; Literacy: 92.5% Expectancy: 76.42; Currency: US d

\$1= 1); p.c.i: \$ 4,300; Date of Independence: 24th May, 1822

Government Type: Republic; Head of State & Govt (President): Alfredo Palacio.

History: Ecuador lies on the west coast of South America. A part of the great Inca Empire, Ecuador came under Spanish rule in 1533. It became independent in 1830.

Some 40% of the population is Amerindian. Guayaquil is the chief seaport and airport. The Galapagos islands (the home of huge tortoises) belong to Ecuador.

Economy: Ecuador is the world's largest exporter of bananas. Sugarcane, African palm, cacao, balsawood (world's largest exporter), rice and coffee are grown.

In Mar.-April '94, Ecuador and Peru fought a month-long war over a disputed border area. The Andean nations had fought wars in 1941 and 1981, over 78 km. of unmarked border amid a mountainous jungle. In Aug. '98, Peru charged Ecuadorean troops had entered its territory.

Industry: Food processing, wood products, textiles, sugar. Silver ore is now the chief mineral product. There are large deposits of copper, gold and zinc. The production of petroleum is increasing. The so-called 'Panama' hats made of Tequila straw are made in Ecuador.

In Feb. '99, the currency was devalued, following the worst economic crisis in 70 years. The economy had been ravaged by high interest rates, plunging oil prices and El Ninorelated storms and flooding.

Recent Events: In March 2006, nationwide protests flared over a proposed free trade agreement with the US.

54. Egypt

(Arab Republic of Egypt) Jumhuriyah Misr al-Arabiya

Capital: Cairo; Other Large Cities: Alexandria, Giza; Area: 997,677 sq.km; Population:



78,887,007; Languages: Arabic, English; Religions: Muslim(mostly Sunni)-90%, Coptic-9%, Other Christian-1%; Literacy: 57.7%; Life Expectancy: 71.291; Currency: Egyptian Pound (\$1=6.757); p.c.i: \$ 3,900; Date of Independence: 28th February, 1922.

Government Type: Republic; President: Hosni Mubarak; PM: Ahmed Nazif.

Egypt, traditionally known as the Gift of the Nile, occupies north east Africa.

History: Egypt has one of the oldest civilisations in the world, its recorded history going back to more than 5000 B.C. In 1922 Egypt became an independent monarchy and in 1953 a republic. Egypt merged with Syria in 1958 to form United Arab Republic; Syria broke away from the union in 1961.

The Suez Canal (173 km. long, connecting the Mediterranean with the Red Sea) was opened for navigation in 1869; nationalised 1956, closed 1967, reopened 1975. The Aswan High Dam (1971) provides irrigation for more than a million acres of land.

Economy: The main agricultural area is Lower Egypt which covers the delta of the. Nile. Crops are cotton, onions, wheat, maize, millet, rice, sugarcane and fruits of various kinds. Industry: Textiles, chemicals, petrochemicals, food processing, cement, Exports are cotton, rice, mineral products, textiles, refrigerators, tyres, cement and electrical instruments.

The population boom is causing concem. Islamic militancy is a new threat in Egypt.

Recent Events: In February 2006, up to

1,000 people died-when a ferry carrying about 1,400 passengers from Saudi Arabia to Egypt sank in the Red Sea. In April, bomb attacks in the Red Sea resort of Dahab killed more than 20 people.

Mission in India: Embassy of the Arab Republic of Egypt, 1/50-M, Niti Marg, Chanakyapuri, New Delhi-110021. Tel: 26114096/97; Fax: 91-11-26885355.

Indian Mission in Egypt: Embassy of India, Abaza Street, Zamalek, P.O. 8ox No.718, Cairo 11511, Egypt. Tel: 00-20-2-7360052, 7356053; Fax: 00-20-2-7364038.

E-mail:embassy@india-emb.org.eq

55. El Salvador

(Republic of El Salvador) Republica do El Salvador



Capital: San Salvador; Other Large Cities: Santa Ana, San Maquel; Area: 21,393 sq.km; Population: 6,822,378; Languages: Spanish; Religions: Roman Catholic-83%; Literacy: 80.2%; Life Expectancy: 71.49; Currency: Colon (\$1 =8.75); p.c.i: \$ 4,700; Date of independence: 15th September, 1821.

Government Type: Republic; Head of State & Govt (President): Elias Antonio Saca Gonzalez.

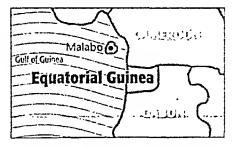
History: El Salvador in Central America became independent of Spain in 1821 and of the Central American Federation in 1839. It Is the smallest and the most densely populated of the Central American States and the only one without an Atlantic coast line.

Economy: The country is predominantly agricultural. The principal crop is coffee which accounts for one half of exports. Other products are cotton, maize and sugar. Fisheries are being developed and figure prominently in the export list. Industry: Food & beverages, textiles, petroleum products.

A 12-year civil war that killed 75,000 people ended in 1992. In 1998 Hurricane Mitch killed 200 and made 30,000 homeless. In 2001, earthquakes and drought caused heavy damage.

56. Equatorial Guinea

(Republic of Equatorial Guinea) Republica de Guinea Ecuatorial



Capital: Malabo; Other Large Cities: 8ata Area: 28,051 sq.km; Population: 540,109; Languages: Spanish, Fang, 8ubi and pidgin English; Religions: Nominally Christian and predominantly Roman Catholic, pagan practices; Literacy: 85.7%; Life Expectancy: 49.54; Currency: CFA Franc (\$1 = 618.98); p.c.i: \$ 50,200; Date of Independence: 12th October, 1968.

Government Type: Republic; President: Brig-Gen. Teodoro Obiang Nguema Mbasogo; PM: Miguel Abia 8iteo Borico.

History: Equatorial Guinea, formerly Spanish Guinea, comprises the islands of Ferrance Po (now Bioko), Corcisco, Great Elobara - Transport Elobey, and Annoban and the ma

nitory of Rio Muni on the west coast of Africa. In 1975, almost all place names were changed by President Macias Nguema. The capital Santa Isabel thus became Malabo. Macias Nguema was ousted by his nephew, Mbasogo on Sept. 29, 1979. Constitutional rule was resumed in 1982.

Economy: The island of Fernando Po is mostly mountainous. Coffee is cultivated upto 900 m and cocoa upto 600 m unit. There are also forests of ebony, mahogany and oak. Other products are cocoa, coffee, timber, palm oil and bananas. The country is heavily dependent on foreign aid.

Recent Events: There was coup attempt in Aug. '04. Mark Thatcher was arrested for alleged involvement.

Mission in India: Embassy of the Republic of Equatorial Guinea stationed at Beijing.

57. Eritrea

(State of Entrea)



Capital: Asmara; Other Large Cities: The Ports of Massawa and Assab; Area: 117,600 sq. km; Population: 4,786,994; Languages: Tigrinya Arabic and several other local languages; Religions: Muslim, Coptic Christian, Roman Catholic, Protestant; Literacy: 58.6%; Llfe Expectancy: 59.03; Currency: Nafka (\$1=13.60); p.c.i: \$ 1,000; Date of Independence: 24th May, 1993.

Government Type: Transitional Government; Head of State & Govt (President): Issaias Afworki.

History: Entrea, until recently the northemmost province of Ethiopia, is situated on the African shore of the Red Sea. In 1890, it became an Italian colony but Italy lost the colony to a British invasion force in 1941. After World War II. a U.N. resolution made Entrea an autonomous, self-governing region of Ethiopia, apparently against the wishes of most of Entrea's population. In 1962 Ethiopian emperor Haile Selassie formally annexed Eritrea. Beginning in the mid-60's the province was repeatedly torn by fighting between the Eritrean Liberation Front (ELF) and other groups like Entrean People's Liberation Front (EPLF) advocating secession from Ethiopia, and the Ethiopian army. Africa's longest civil war of 31 years ended in 1993 and on May 24, Eritrea became an Independent nation-Africa's 52nd. It was admitted to the Organisation of African Unity and the United Nations.

8 order clashes between Eritrea and Ethiopia in May-June '98 led to the death of hundreds, and an end to the very cordial relations between the two neighbours. Fighting resumed in 1999. In May, 2000, Eritrea announced withdrawal of troops from disputed border territory. In 2002, an international commission gave a ruling on the border but the tensions continued.

There are nine ethnic groups in Eritrea. Massawa is the chief port. Only 5% of the land is under cultivation. Nearly a million Eritreans lived abroad in 1995.

Economy: Agriculture: Sorghum, livestock including camels and goats, Red Sea fishing. Minerals: Gold, copper, potash, iron ore. Exports: Hides, salt, cement, gum arabic.

Mission in India: Hon. Consulate of Entrea, B-8/14, Vasant Vihar, New Delhi-110 057. Tel: 26140830; Telefax: 91-11-26141067.

58. Estonia

(Republic of Estonia)/Esti Vabariik Capitai: Tallinn; Other Large Cities: Tartu, Kohtla-Jarve; Area: 45,100 sq.km; Popula-



tion: 1,324,333; Languages: Estonian; Religions: Evangelical Lutheran, Russian Orthodox, Estonian Orthodox, Baptist, Methodist, Seventh-Day Adventist, Roman Catholic, Pentecostal, Word of Life, Jewish; Literacy: 99.8%; Life Expectancy: 72.04; Currency: Kroon (\$1 =12.379); p.c.i: \$ 16,700; Date of Independence: 20th August, 1991.

Government Type: Parliamentary Republic; Head of State: Arnold Ruutel; PM: Andrus Ansip.

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History: Estonia seceded from Soviet Union and attained Independence in August, 1991, 50 years after the three Baltic states were annexed by Stalin's USSR. The first free elections in over 50 years were held in Sept. '92. Estonia is bounded west and north by the Baltic, east by Russia and south by Latvia.

Economy: Agriculture and dairy farming are the major occupations. Some 22% of the temtory is covered by forests, which provide fuel and raw material for Industires. Agricultural products: Grain, potatoes, vegetables, dairy products. Natural resources: Shale deposits, timber, peat, phosphorites. Industry: Ship-building, fumiture, match & pulp, leather, garments, agricultural machinery, electric motors.

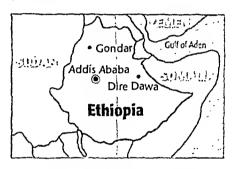
Recent Events: Estonia joined EU in 2004.

Mission In India: Honorary Consulate General of the Republic of Estonia, A-11, Kailash . Colony, First Floor, New Delhi-110 048; Tel: 26449808; Fax: 256484575.

59. Ethiopia

(Federal Democratic Republic of Ethiopia)/Ye Etiyop'iya Hezbawi Dimokrasiyawi Republick

Capital: Addis Ababa; Other Large Cities: Gondar, Dire Dawa; Area: 1,221,900 sq.km: Population: 74,777,981; Languages: Amhanc, Oromigna, Tignigna and 60 other small languages; Religions: Muslim-45%-50 %, Ethiopian Orthodox-35%-40%, Animist 12%, others-3-8%; Literacy: 42.7%; Life Expectancy: 49.03; Currency: Birr (\$1=8.737); p.c.i: \$900.



Government Type: Federal Republic; President: Girma Woldegiorgis; PM: Meles Zenawi.

History: Black Africa's oldest state formerly known as Abysslnia, A mountainous country in north-east Africa, it has a colourful history. The Ethiopian emperors claimed descent from King Solomon and the famous Queen of Sheba. The last Emperor of Ethiopia Haile Sellasie I was deposed by armed marxist forces which took over the govt. in 1974. Opposition to this government mounted in 1991 and marxist leader Mengistu Haile Mariam had to flee the country. A new government consisting of various groups was formed by the Ethiopian Revolutionary Democratic Front, an umbrella group of six rebel armies. Eritrea, a province on the Red Sea, declared its independence in 1993.

May, 1995 saw the birth of a new Federal Democratic Republic of Ethiopia after four years of transitional rule. The new constitution divides Ethiopia into nine ethnically distinct regions, which have the right to through a popular referendum.

There was an undeclared war between Ethiopia and Eritrea (May-June, 1998) over an area on the border between the two. Efforts by OAU didn't yield much. Fighting resumed in 1999 and 2000. Thousands died on both sides. In Dec. the two countries formally ended the war, with an accord signed in Algiers, but tensions continued.

Economy: Ethiopia's economy is based on agriculture, which accounts for half of GDP, 85% of exports, and 80% of total employment. The agricultural sector suffers from frequent drought and poor cultivation practices; and as many as 4.6 million people need food assistance annually. Coffee is the most important export. Other important exports include qat, live animals, hides, and gold.

Recent Events: In May, 2006, six political parties and armed groups formed an opposition alliance, the Alliance for Freedom and Democracy, at a meeting in the Netherlands. Several bomb blasts hit Addis Ababa.

Mission In India: Embassy of the Federal Democratic Republic of Ethiopia, 7/50-G, Satya Marg, Chanakyapuri, New Delhi-110021. Tel: 26119513, 26119514; Fax: 26875731.

E-mail: delethem@yahoo.com

Indlan Mission In Ethiopia: Embassy of India, Kabena (Aware District) W-13, K-15, H.No. 224, Post Box 528, Addis Ababa, Ethiopia. Tel: 00-251-1-552100, 550694,556610, 556611; Fax: 00-251-1-552521, 552305.

E-mail:indembassy@telecom.net.et

60. Fiji

(Republic of the Fiji Islands)

Capital: Suva; Other Large Cities: Lautoka, Nadi; Area: 18,376 sq.km; Population: 905,949; Languages: English, Fijian and Hindi; Religions: Christian-52% (Methodist-37%, Roman Catholic-9%), Hindu-38%, Muslim-8%, others-2%; Literacy: 93.7%; Life Expectancy: 69.82; Currency: Dollar (\$1



=1.75); p.c.l: \$ 6,000; Date of Independence: 10th October, 1970.

Government Type: Republic; President: Ratu Josefa Iloilo Vatu; PM: Laisenia Qarase.

Fiji consists of 332 islands and islets in western S. Pacific, lying 1750 km. north of New Zealand. The largest of the islands Viti Levu constituting more than half of the total land area of Fiji islands is the seat of the government. Fiji lies on the main route between Australia, New Zealand and North America and is the centre of communications in the South West Pacific.

History: These islands came under British rule in 1874. From 1879, indentured Indian labour was imported into the islands to work on European sugar plantations. Practically all the Indian workers settled permanently in the islands. Their descendants now form about half of the population. Melanesians, the original inhabitants, make up 43 per cent, the rest being made up of Europeans, Chinese and others. On Oct. 10, 1970 8ritain granted independence to Fiji.

Economy: Fiji is a famous tourist centre with 3,00,000 to 4,00,000 tourists annually. Its major products are agricultural. Sugar and coconuts form 90 per cent of the total exports. Rice and ginger are grown too. Mining is limited and industries are (sugar refining, light industry and tourism) growing .Gold is mined on Viti Levu, and is another major export.

In October 1987 military strongman Col. Sitiveni Rabuka declared Fiji a republic defy-

ing popularly elected government headed by Dr. Thimoci Bavadra, leader of the majority Indian ethnic group. A civilian government was restored to power in December.

A new constitution favouring indigenous Fijians was issued in July, 1990. In the 70member Parliament, there were 27 seats for Indians. The posts of President and PM were reserved for indigenous Fijians.

Labour Party leader Mahendra Chaudhry, the first ethnic Indian to hold the post, became PM in June '99.

On May 19, 2000 George Speight, a local businessman, took most of the cabinet hostage. He favoured dominance of indigenous Fijians. Two months of political unrest ended in July with the formation of a new government. Speight was imprisoned. The deposed PM Chaudhry was freed in July after 55 days of captivity. Indians were offered 14 cabinet posts in 2003.

Recent Events: In March 2006, Great Council of Chiefs elected incumbent president lloilo to a second, five-year term. In May, former PM Sitiveni Rabuka was charged with orchestrating a failed army mutiny in November 2000. Ruling party leader and incumbent Prime Minister Lae Senia Qarase narrowly won elections and was swom in for a second term.

Indian Mission in Fiji: High Commission of India, Level 7, LIC Building, Butt. Street, P.O. Box 471, Suva, Fiji Islands. Tel: 00-679-301125; Fax: 00-679-301032.

E-mail:hicomindsuva@is.com.fi

61. Finland

(Republic of Finland)/Suomen Tasavalta Capital: Helsinki; Other Large Cities: Tampere, Espoo; Area: 338,000 sq.km.; Population: 5,231,372; Languages: Finnish and Swedish; Religions: Lutheran National Church-84.2%, Greek Orthodox in Finland-1.1%, other Christian-1.1%,, others-0.1%, None-13.5%; Lit-



eracy: 100%; Life Expectancy: 78.5; Currency: Euro (\$1= 0.79); p.c.l: \$ 30,900; Date of Independence: 6th December, 1917.

Government Type: Republic; President: Ms. Tarja Halonen; PM: Matti Vanhanen.

History: The Republic of Finland is a Baltic State, which once formed part of the Russian Empire. It became independent on Dec. 6, 1917 and a republic in 1919.

Off the south-west coast are the Swedishpopulated, autonomous Aland islands, controlling the entrance to the Gulf of Bothnia. Finland has more than 20,000 lakes. 62% of the population live in urban areas.

Economy: The most important rural activity is forestry. Finland's vast forests of pine, spruce, and birch support a number of major industries. The extensive pulp and paper sector is responsible for around one-quarter of world paper exports. Other industries are shipbuilding, metals, machinery, textiles, leather and chemicals. Finland was among the first countries to deregulate its telecommunications industry and is now the world's most connected country. Finland now has the highest per capita number of interest connections. Finland has a fairly big fleet of merchant marine. Chief agricultural crops are grains, potatoes and dairy products. With the help of investments in export industries and hi-tech, exports as a share of GDP contract to 40% in the ten years to 200° joined the EU on Jan. 1, 1995.

Mission in India: Embassy of Pa

E-mail: sanomat.nde@formin.fi

Consulate: Mumbai, Tel:22165277, Fax:22164213,

E-mail:ram tarneja@bsbmumbai.org;

Calcutta: Tel:22474328, 2247 1950, Fax:22474329.

E-mail: mpc@cal.vsnl.net.in; Chennai: Tel:28524141, Fax:28521253.

E-mail:siva holdings@vsnl.net

Indian Mission in Finland: Embassy of India, Satamakatu 2 A 8, 00160, Helsinki, Finland. Tel: 00-358-9-608927, 608935; Fax: 00-358-9-6221208.

62. France

(French Republic)/Republique Française



Capital: Paris; Other Large Cities: Marseilles, Lyons, Strasbourg; Area: 543,965 sq.km; Population: 60,876,136; Languages: French and regional dialects; Religions: Roman Catholic-83%-88%, Protestant-2%, Jewish 1%, Muslim-5%-10%, Unaffiliated-4%; Literacy: 99%; Life Expectancy: 79.73; Currency: Euro (\$1=0.79); p.c.l: \$ 29,900; Date of Independence: 486 (Unification by Clovis).

Government Type: Republic; President: Jacques Chirac. PM: Dominique de Villepin.

History: France, the largest country in western Europe, lies between three big nations— Spain, Germany and Italy. The island of Corsica-the birthplace of Napoleon-forms an integral part of France. The French Revolution (1789-1793) made France, once a grand monarchy, a republic. Since then republican and imperial forms of government followed one after another until the Fifth Republic. The French Community came into being in 1958 under President Charles de Gaulle. France is a member of the European Union.

Economy: The country is the largest food producer and exporter in Western Europe. Main crops: Grains, maize, rice, fruits, vegetables, wine, potatoes, livestock and dairy products. Among manufactured products, the most important are chemicals, silk, cotton textiles, automobiles, aircraft, ships, precision instruments, electronic equipment, perfumes and wines. Over the last 20 years urban development and technological progress have changed the people's everyday life profoundly. Life expectancy: Male 75, Female: 83.

France is the world's fourth-largest industrial power and has many globally important companies. Danone, for example, is the world's largest dairy products firm, and two major car companies, Peugot-Citroen and Renault, account for one-eighth of France's exports. Another distinctive export has been the high-speed train, the TGV.

France exploded a nuclear device at Mururoa atoll (First tests in 1966) on Sept. 6, 1995. In January 96, France announced the end of the series of tests.

Violence by Corsican separatists has been worrying successive governments for a quarter century.

France which had 75.5 m. foreign visitors in 2000, reinforced its position as the world's most visited country. The Eiffel Tower, France's most visited monument, has 15,000 tourists daily.

Overseas Departments: French Guiana, Guadeloupe, Martinique, Reunion.

Overseas Territories: French Polynesia, French Southern and Antarctic Lands, New Caledonia and dependencies, Wallis and Futuna Islands. Overseas departments elect

representatives to the National Assembly and the administrative organisation of mainland France applies to them. The administrative organisation of overseas territories includes a locally elected government.

Territorial collectivities: St. Pierro and Miquelon; Mayotte.

Recent Events:In March-April 2006, new youth employment laws sparked mass demonstrations in Paris and other cities across France. As protest continued, the legislation was scrapped. In June, Upper house of parliament passed a bill setting tough new restrictions on immigration. The rules made it harder for low-skilled migrants to settle. France were the runner-up in the 2006 FIFA World Cup Soccer tournament. In the 110th minute of the World Cup final against Italy, French player Zidane was sent off for headbutting Marco Materazzi in the chest in an off-the-ball incident after the two players had exchanged words. Despite the subsequent controversy over his offence in the final, Zidane was awarded the Golden Ball as best player in the 2006 World Cup.

Mission In India: Embassy of France, 2/50-E, Shantipath, Chanakyapuri, New Delhi-110021, Tel: 26118790; Fax: 2687 2305.

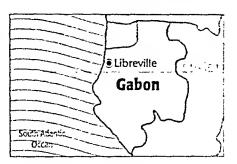
Consulate General of France: Hoechst House, 7th Floor, Nariman Point (next to NCPA), Mumbai-400 021. Ph: 0091-22-56694000; Web: www.consulfrancebombay.org.

Indian Mission In France: Embassy of India, 15, Rue Alfred Dehodencq, 75016 Paris, France. Tel: 00-33-1-40507070, 45243340; Fax: 00-33-1-40500996.

E-mail: ambassador2@wanadoo.fr

63. Gabon

(Gabonese Republic) Republique Gabonaise Capital: Libreville; Other Large Cities: Port-Gentil, Masuku; Area: 267,667; Population: 1,424,906; Languages: French and Bantu dia-



lects; Religions: Christian-55%-75%, Animist, Mulsim less than 1%; Literacy: 63.2%; Life Expectancy: 54.49; Currency: CFA Franc (\$1= 518,98); p.c.i: \$6,800; Date of Independence: 17th August, 1960.

Government Type: Republic; President: Omar Bongo; PM: Jean Eyeghe Ndong.

History: The Gabon Republic is situated on the western coast of central Africa. Formerly a province of French Equatorial Africa, Gabon attained independence on Aug. 17, 1960.

Economy: Gabon is one of the most prosperous black African countries. Most of the country is covered by a dense tropical forest. Chief crops are cocoa, coffee, rice, peanuts, sugarcane. The economy, traditionally dependent on forestry, is now dominated by mining. The manganese deposit at Moanda in the south is one of the world's richest deposits. Crude oil production is already the fifth highest in Africa. Uranium, gold and iron ore are also mined. Industry: Processing of food, timber and textiles

Recent Events: • President Omar Bongo who has ruled Gabon for 35 years, has secured a constitutional change that could allow him to be in power indefinitely.

Mission in India: Embassy of Gabon stationed at Tokyo

64. The Gambia

(Republic of The Gambia) Capital: Banjul; Other Serrekunda, Farafenni; Are Population: 1,641,564; Languages: English and Mandinka, Wolof; Religions: Muslim-90%, Christian-9%, Indigenous beliefs-1; Literacy: 40.1%; Life Expectancy: 54.14; Currency: Dalasi (\$1=28.3); p.c.l: \$ 1,900; Date of Independence: 18th February, 1965

Government Type: Republic; Head of State& Govt: Lt.Yahya Jammeh.

The Gambia, the smallest African country, is a narrow strip of land in West Africa, extending inland from the Atlantic Ocean for about 30 miles on either side of the Gambia River and surrounded on three sides by Senegal. Nearly half the inhabitants belong to the Mandingo tribe.

History: Formerly a British colony and protectorate, the Gambia became an independent state within the Commonwealth on Feb. 18, 1965 and a Republic in April 1970.

After a coup attempt in 1981, the Gambia formed the confederation of Senegambia with Senegal. This lasted until 1989.

In July, '94, a military coup ousted President Dawda Jawara, who was in power for 24 years. In Aug. '96, voters approved a constitution paving the way for a return to democracy. The 2-year-old ban on political parties was lifted.

Economy: Peanuts are the main crop, along with rice and palm kernels. Textiles, food and manufactured goods are significant items of import. Tourism is the biggest foreign exchange earner.

Mission in India: Honorary Consulate General of the Republic of Gambia, B-11, May Fair Garderns, New Delhi-110 016; Tel: 26860285: Fax: 91-24532503.

E-mail: kvachani @hotmail.com

65. Georgia

(Republic of Georgia)/Sakaratvelos Respublica Capital: Tbilisi (Tiflis); Other Large Cities: Kutaisi, Batumi; Area: 69,700 sq.km; Popula-



tion: 4,661,473; Languages: Georgian, Russian; Religions: Georgian orthodox-65%, Muslim-11%, Russian Orthodox-10%, Armenian Apostolic-8%, Unknown-6%; Literacy: 100%; Life Expectancy: 76.09; Currency: The Lari (\$1=1.77); p.c.l: \$3,300; Date of Independence: 9th April, 1991

Government Type: Republic; President: Mikhail Saakashvili; PM: Zurab Noghaideli.

History: Georgia, a former Soviet republic that became independent in Dec., 1991, is bordered by the Black Sea, Turkey, Armenia and Azerbaijan.

Georgia has a fine climate and is known for its natural wealth, variety and beauty. It has the largest manganese mines in the world.

Georgia includes the Autonomous Republics of Abkhasia and Adjaria and the former Autonomous Region of South Ossetia.

Economy: Agriculture: Tea, citrus fruits, grapes, grain, vegetables, potatoes; silk, tobacco, bamboo, eucalyptus. Natural resources: Manganese, coal, baryta, oil, marble, iron. Industry: Food processing tea brewery, textile, chemical fibres, paper and metallurgy.

Georgia was admitted to the UN as the 179th member in July, 1992 - the last of the former Soviet republics to join the world organisation. It joined the Commonwealth of Independent States (CIS) early 1994. In Feb.'94, Georgia signed agreements with Russia for economic and military cooperation. Fighting between government forces and Abkhazian separatists was intense in 1993. In May '94, ceasefire agreement was signed.

Mission in India: Honorary Consulate of Georgia, 19 DDA, Community Centre, Zamrudpur, Kailash colony Ext., New Delhi-110 048; Tel: 26431015; Fax: 26447864.

E-mail: georgiaconsulate@rediffmail.com

66. Germany

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121

(Federal Republic of Germany) Bundesrepublik Deutschland



Capital: Berlin; Other Large Cities: Hamburg, Munich, Cologne, Frankfurt, Leipzig; Area: 357,020 sq.km.; Population: 82,422,299; Languages: German; Religions: Protestant-34%, Roman Catholic-34%, Muslim-3.7%, unaffiliated or others-28.3%; Literacy: 99%; Life Expectancy: 78.B; Currency: Euro (\$1=0.79); p.c.l: \$ 30,400; Date of Independence: 3rd October, 1990 (date of unification of West Germany and East Germany)

Government Type: Federal Republic: Fresi-

dent: Horst Koehler, Head of Govt: Chancellor Angela Merkel.

The Federal Republic of Germany in Central Europe (United Germany of East and West) covers an area of 357,020 sq km made up of mountain areas, uplands and plains. To the north the country is bounded by the North Sea and the Baltic, to the south by the Alps, Lake Constance and the Rhine, which also forms the border in the south-west. The main rivers are the Rhine, the Danube, the Albe, the Weser and the Moselle. The highest mountain is the Zugspitze (2,963 m.) in the Alps. The uplands rise to 1,500 m.

History: Germany since 1871 had been a nation united in one country of numerous states which had a common language and traditions. Since World War II, until 1990, it had been split in two parts: Federal Republic of Germany (West Germany) and German Democratic Republic (East Germany). The merger of the two Germanys took place on Oct. 3, 1990 and the first all-German elections since 1937 were held on Dec. 2, 1990.

Germany is a democratic, parliamentary state with a federal constitution. The Federal Republic is made up of 16 Lander (States). The Bundestag (Federal Diet) is the supreme legislative body. With the addition of 144 members of the East German Volkskammer. the total membership rose to 663 in 1990.

Economy: Or the land 48% is used for agriculture and 29% is wooded. Chief cross Grains, potatoes, sugar beets. Major mineral resources. Lignite, coal, iron and comer ores and potash Industry: Steel, ships, inhicles, machinery coal and chemicals.

Germany has one of the most gerewelfare systems with high unempion benefits and densions. This come at since total deductions shared be ployers and workers now are than 40% or pay. Employers na to meet these costs D TV ncreasingly uncomcosts are one-third higher than in the USA or the UK. Another notable feature of the German economy and society is a concern for the environment. The country has intensive systems of recycling-around 7,00,000 jobs are linked with environmental protection.

As Europe's largest economy and most populous nation, Germany remains a key member of the continent's economic, political, and defence organisations. In January 2002, Germany and 11 other EU countries introduced a common European currency, the euro. Germany's 7.3 m. legal foreign workers account for about 9 per cent of the population. Germany's ageing population, combined with high unemployment, has pushed social security outlays to a level exceeding contributions from workers.

Recent Events: In July 2006, Parliament approved far-reaching changes to the way in which Germany was governed; the reforms were intended to speed up decision-making. Germany hosted the 2006 FIFA World Cup soccer tournament.

Mission In India: Embassy of the Federal Republic of Germany, No.6/50-G, Chanakyapuri, New Delhi-110 021. Tel: 26871831, Telefax: 26873117.

E-mail:germany@del3.vsnl.net.in germany @vsnl.com

Indian Mission In Germany: Embassy of India, Tiergartenstrasse 17, 10785 Berlin, Germany. Tel:00-49-30-257950, 25705001 (After Office Hour) Fax:00-49-30-25795102 (Chancery).

E-mail:chancery@indiaembassy.de

67. Ghana

(Republic of Ghana)

Capital: Accra; Other Large Cities: Kumasi, Takoradi; Area: 238,537 sq. km; Population: 22,409,572; Languages: English (official language) and eight major national languages; Religione Christian 6204 Muslim 1604 :- it.



enous beliefs-21%; Literacy: 74.8%; Life Expectancy: 58.87; Currency: Cedi (\$1=9142); p.c.l: \$ 2,500; Date of Independence: 6th March, 1957.

Government Type: Republic; President (Head of State & Govt): John Kufour; Vice President: Alhaji Aliu Mahama.

A country tucked between Togo and Cote D'Ivoire on the southern coast of West Africa, Ghana is composed of the former British colony Gold Coast and the British-ruled Togoland.

History: Independence came on March 6, 1957. Republic status within the Commonwealth was attained on July 1, 1960. Dr. Kwame Nkrumah was the first President. Coups occurred in 1966, 1972, 1978, 1979 and 1981. A new pluralistic democratic constitution was approved in 1992.

Economy: Ghana is primarily an agricultural country which held position as world's leading producer of cocoa for long. Other crops: kolanuts, palm products, bananas, coffee, maize and rubber. Exports: Timber, gold, diamonds, manganese, bauxite and cocoa. Industry: Aluminium and light industry.

Recent Events : John Kufuor (in power since 2001) is the first democratically elected president since independence. Falling prices of cocoa and rising cost of imported oil have hit Ghanian economy hard.

Mission in India: Ghana High Commission, 50-N, Satya Marg, Chanakyapuri, New Delhi-110021. Tel: 26883315, 26883298, 26883338; Telefax: 26883202.

Indian Mission in Ghana: High Commision of India, No.9, Ridge Road, Roman Ridge, O. Box CT-5708, Accra, Ghana. Tel: 00-233-21-775601, 775602; Fax: 00-233-21-772176.

E-mail- indiahc@ncs.com.gh

68. Greece

(Hellenic Republic) Elliniki Dimokratia



Capital: Athens; Other Large Cities: Thesaloniki, Salonika, Larissa; Area: 131,990 sq.km; Population: 10,688,058; Languages: Greek; Religions: Greek Orthodox (Christian)-98%, Muslim-1.3%, others-0.7%; Literacy: 97.5%; Life Expectancy: 79.24; Currency: Euro (\$1= 0.79); p.c.l: \$ 22,200; Date of Independence: 1829.

Government Type: Parliamentary Repubclic; President: Karolos Papoulias; PM: .Konstandinos Karamanlis.

History: Greece or the Hellenic Republic, on the Mediterranean Sea, occupies the southem end of the Balkan Peninsula in south-, bast Europe. Ancient Greece's achievements n art, architecture, science, mathematics, shilosophy, drama, literature and democracy were unparalleled. The country reached the wak of its glory in the 5th century B.C.

Politically independent till the 1st century .C., the Greeks succumbed to Roman might the latter half of that century. Later they 🅍 Ime under Byzantine and Ottoman empires. · 1830, Greece regained its freedom as a monarchic state. After many vicissitudes of fortune, monarchy was abolished in 1974, since then Greece has been a republic. Greece is a member of the European Union.

Numerous islands constitute about onefifth of total area, of which the largest is Crete.

Tensions between Greece and the Former Yugoslav Republic of Macedonia eased in Sept. 1995 with their agreeing to normalise relations.

Economy: Greece, though till recently an agricultural country, has now developed industrially. In merchant shipping, Greece owns a surprisingly big tonnage. Tourism is Greece's biggest industry. Others: Textiles, chemicals, metals, wine, food processing, cement. Chief crops: Wheat, sugar beet, grapes, other fruits, milk, olive oil, cotton.

Recent Events: In March 2006, public sector workers staged 24-hour strike in support of demand for pay increase and in protest at government plans to scrap job security laws and intensify privatisation programme. In May, Greek and Turkish fighter planes crashed into Aegean after colliding in mid-air.

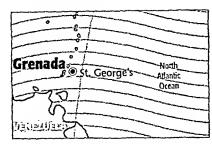
Mission in India: Embassy of Greece, EP-32.Dr.S.Radhakrishnan Marq, Chanakyapuri, New Delhi-110021. Tel: 26880700, Telefax: 26888010; E-mail:hellemb@eth.net; Web: www.greeceinindia.com

Indian Mission in Greece: Embassy of India, 3, Kleanthous Street, 10674 Athens, Greece, Tel: 00-30-1-7216227, 7216481, Fax: 00-30-1-7211252.

E-mail:indembassy@ath.forthnet.gr

69. Grenada

Capital: St. George's; Area: 344 sq.km; Popufation: 89,703; Languages: English and French-African patois; Religions: Roman Catholic-53%, Anglican-13.8%, Protestant-33.2%; Literacy: 96%; Life Expectancy Currency: East Caribbean Dollar (5 p.c.l: \$ 5,000; Date of Independence ruary, 1974



Government Type: Parliamentary Democracy; Gov.Gen.: Daniel Williams; PM: Keith Mitchell.

History: Grenada is an island country in the West Indies.It is the most southerly island of the Windward Islands chain and includes Southern Grenadines (islands), the largest of which is Carriacou. Grenada became independent in 1974.

The population is of mixed origin: European, Negro and Carib Indians.

Economy: Tourism is a growing industry (380,000 visitors in 1998-99) but agriculture dominates the economy. Grenada is known as the '5pice Island' and is the world leader in the production of nutmeg and mice. Other major agricultural products are cocoa, bananas and tropical fruit and vegetables.

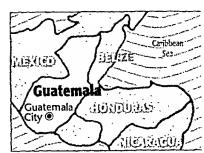
Mission In India: Honorary Consulate of Grenada, 12, Sunder Nagar, New Delhi-110 003. Tel: 24354512; Fax: 23328307.

E-mail: skkandhari@vsnl.net

70. Guatemala

(Republic of Guatemala) Republica de Guatemala

Capital: Guatemala City; Other Large Cities: Escuintla, Peurto Barrios; Area: 108,889 sq.km; Population: 12,293,545; Languages: Spanish and Indian dialects; Religions: Roman Catholic, Protestant, Indigenous Mayan beliefs; Literacy: 70.6%; Life Expectancy: 69.38; Currency: Quetzal (\$1=7.62); p.c.l: \$4,700; Date



Government Type: Republic; President: O. car Jose Rafael Bertger Perdomo.

History: Guatemala, a republic, is th northernmost and the third largest of the fiv central American states and has the larger population. Fifty per cent of the population is of Indian (Red) origin, 45 per cent Ladin or of mixed European and Indian parentage The Indians are the descendants of the build

After remaining as a Spanish colony to about three centuries (1524-1821), Guate mala became a republic in 1839. Guatemala's claims to British Honduras (Belize) led to the rupture of diplomatic relations with Britain in 1963. More than 100,000 people have

ers of the great Maya civilisation which wa

wiped out by the Spanish conquistadors.

been killed in civil wars since 1961. Economy: The soil is very fertile. Agriculture is the most important occupation. Principal crop is coffee. Other important export items are bananas, cotton, gum, sugar, maize, tobacco, fruits and beef. Industry: Food and beverages, textiles, tyres, construction matenals, tobacco and chemicals.

Indian Mission in Guatemala: Honorary Consulate of India, P.O. Box No. 886, 14 Cale 14-84 zona 10, Oakland, Ciudad de Gautemala, Gautemala. Tel: 00-507 3682271; Fax: 00-502-3664049.

71. Guinea

(Republic of Cuines) Populations de Guine



lankan, Kindia; Area: 245,857 sq.km; Popuation: 9,690,222; Languages: French and 8 lational languages; Religions: Muslim-85%, Ihristian-8%, indigenous belifes-7%; Literacy: 35.9% (in French); Life Expectancy: 19.7; Currency: Franc (\$1=4600); p.c.i: \$2,000; Date of Independence: 2nd October, 1958.

Government Type: Republic; President: Gen. Lansana Conte. PM: Cellou Dalein Diallo.

History: Guinea is a former French overseas territory on the Atlantic coast of West Africa.

Under the constitution of the Fifth (French) Republic, Guinea voted for secession and proclaimed itself an independent republic on October 2,1958. The first President was Sekou Toure. The army mutiny of Feb. 1996 was suppressed by President Conte.

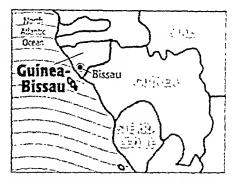
Economy: Subsistence agriculture supports 80% of the population. Main crops are cassava, plantains, sugarcane, bananas and palm kernels. It exports coffee, honey, pananas, palm kernels, iron and aluminium are. Guinea has probably the world's largcest deposit of bauxite.

Ten per cent of Guinea's population is omposed of refugees from neighbouring terra Leone and Liberia. This is a burden in the weak economy.

Mission In India: Embassy of Guinea staned at Moscow.

72. Guinea-Bissau

(Republic of Guinea-Bissau) Republica da Guine-Bissau



Capital: Bissau; Area: 36,125 sq.km; Population: 1,442,029; Languages: Crioulo, Portuguese and tribal languages; Religions: indigenous beliefs-50%, Muslim-45%, Christian-5%; Literacy: 42.4%; Life Expectancy: 46.87; Currency: CFA Franc (\$1=518.98); p.c.i: \$ 680; Date of Independence: 24th September, 1973.

Government Type: Republic; President: Joao Bernardo 'Nino' Vieira; PM: Aristides Gomes.

History: Guinea-Bissau, formerly Portuguese Guinea, is on the Atlantic coast of West Africa. The land is part plain and part plateau.

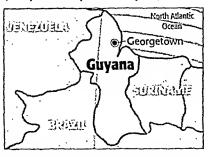
Guinea-Bissau unilaterally declared independence in 1973. Portugal recognised its independence in 1974. Joao Bernardo Vieira who seized power in 1980, was elected in 1989 and re-elected in 1994. A civil war was triggered by an army uprising in June, 1998 and Vieira was toppled. There was a military coup in 2003.

In May '97, Guinea-Bissau joined the French Franc Zone.

Economy: The main occupation is agriculture. Swamp rice (grown in the coastal plains), coconuts, cassava, sweet potatoes and maize form the import crops. The cash crops are groundn palm oil. Cattle raising is we try: Food processing, beer

73. Guyana

(Co-operative Republic of Guyana)



Capital: Georgetown; Other Large Cities: Linden, New Amsterdam; Area: 214,969 sq.km; Population: 767,245; Languages: English, Hindi, Urdu, Creole; Religions: Christian-50%, Hindu-35%, Muslim-10%, others-5%; Literacy: 98.8%; Life Expectancy: 65.86; Currency: Guyanese Dollar (\$1=190); p.c.i: \$ 4,600; Date of Independence: 26th May, 1966. .

Government Type: Republic; President: Bharrat Jagdeo. PM: Samuel Hinds

Guyana (former British Guiana) lies on the north east coast of South America.

History: Guyana became a British colony in 1814 and an independent sovereign state within the Commonwealth of Nations on May 26, 1966. The President is an ethnic Indian.

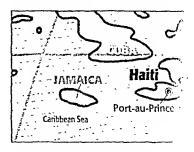
Economy: The economy is based on agriculture. (Sugarcane, rice, coconuts and citrus). Sugar, rice and bauxite are the main exports. There are considerable deposits of gold and diamonds. Dense tropical forests cover much of the land. Industry: Mining and textiles.

Indian Mission In Guyana: High Commission of India, 10, Avenue of the Republic, Bank of Baroda Building, Post Box 101148, Georgetown, Guyana. Tel: 00-592-22-63996, 68965, 63240; Fax: 00-592-22-57012.

E-mail:hicomind@guyana.net.gy / com@ guyana.net.gy

.74. Haiti

(Republic of Haiti) Republique d' Haiti



Capital: Port-au-Prince; Area: 27,750 Population: 8,308,504; Languages: (official), and Creole; Religions: Romanlic-80%, Protestant-16%, none-1%, 3%; Literacy: 52.9%; Life Expectanc, Currency: Gourde (\$1=38.65); p.c.i: Date of Independence: 1st January, s

Government Type: Elected Gove President: Rwne Pro 1: lacques Alexis.

History: Haiti known as Hispan tween Cuba on : the east. Negr population, scended fr slaves. Tl an inder

A 28-y ily endea had been Bertrand . Dec. 1990 exiled in 5 wide oil, a in lune, 1 was rest peaceke/ for Haiti power to Feb. '96. '

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Economy: Chief agricultural products: Coffee, sugar, bananas, rice, cocoa, tobacco, sisal and cotton. Industry: Sugar refining, textiles and cement. Rum and other spirits are distilled from molasses and exported. Bauxite is the chief mineral exported. Tourism is Haiti's second largest source of foreign exchange. Two-thirds of Haiti's inhabitants live in poverty, half of all adults are illiterate and less than a quarter of rural children attend primary school, Infant and maternal mortality rates remain among the highest in the world.

Outside Africa, Haiti has the highest rate of HIV infection among adults: 5 percent. It produces more new cases of HIV-AIDS each year than the entire U.S.

Recent Events: Haiti went to polls in February 2006, the first since former president Aristide was overthrown in 2004. Rene Preval was declared the winner of the presidential vote after a deal was reached over spoiled ballot papers.

Indian Mission in Halti: Honorary Consulate of India, C/o. Hnadal & Fils, 199, Rue Du Magasin de L'Etat, P.O.Box No.633, Port-au-Prince (Republic of Haiti). Tel: 00-(509) 222310; Fax: 00-(509) 238489.

75. Honduras

(Republic of Honduras) Republic de Honduras



Capital: Tequcigalpa D.C.; Area: 112,088 sq.km; Population: 7,326,496; Languages:

Spanish and some Indian dialects; Religions: Roman Catholic-97%, Protestant-3%; Literacy: 76.2%; Life Expectancy: 69.33; Currency: Lempira (\$1=18.89); p.c.l: \$ 2,900; Date of Independence: 15th September, 1821,

Government Type: Republic; President: Manuel Zelaya Rosales.

History: Honduras is a republic of Central America lying between Nicaragua, El Salvador and Guatemala. It has a long northern coastline on the Caribbean and a narrow southern outlet to the Pacific. Originally a Spanish colony, Honduras became independent in 1821. The country has gone through a series of dictatorships, military juntas, coups and counter-coups.

Economy: Honduras is one of the poorest countries in the western hemisphere. The chief crop is bananas which constitute 65 per cent of the country's exports. Coffee, cotton, maize and tobacco are also grown. Timber is abundant and cattle raising is a major occupation. Industry: Textiles, wood products, cigars, beer and cement.

Recent Events: In April 2006, free trade deal with the US came into effect. The Honduras Congress approved the Central American Free Trade Agreement (Cafta) in March 2006. Honduras and neighbouring El Salvador inaugurated their newly-defined border. The countries had fought over the disputed frontier in 1969.

76. Hungary

(Republic of Hungary) Magyar Koztarsasag Capital: Budapest: Other Large Cities: Miskolc, Debrecen; Area: 93,033 sq.km, Population: 9,981,334; Languages: Hungarian (Magyar); Religions: Roman Catholic-67,5%, Calvinist-20%. Lutheran-5%, atheist and others-7.5%; Literacy: 99.4%; Life Expectancy: 77 rency: Fonnt (\$1=217.014); p.c.h. Date of Independence: 1001 (Date tion by King Stephen I).

Government Type: Parliamentary Democracy; President: Laszlo Solyom; PM: Ferenc Gyurcsany.

Hungary is situated in East Central Europe. The eastern half of Hungary is mainly a great fertile plain, 'the Great Plain'. The west and the north are hilly.

History: Hungary had a stormy history being successively overrun by Huns, Magyars, Turks, Hungarians and Austrians. Hungary became an independent republic in 1918 and the Hungarian Socialist Republic in 1919. In 1990, Hungary embraced democracy and market economy. The last Soviet troops left Hungary in June, 1991. In July '97, NATO invited Hungary to become a full member of the alliance within two years. The country joined NATO in March '99.

Economy: Although an agricultural country in the past, since the Second World War industry has come to account for more than half of its total economy. Hungary exports engineering products, machine tools, motor vehicles and electrical and electronic goods. Chief imports are iron ore, coal, crude oil and consumer goods. More than 97 per cent of agricultural land is collectivised. Vineyards occupy around 186,000 hectares. Other crops: Grains, sunflowers, potatoes and sugar beets.

Recent Events: In April 2006, over 10,000 troops and police were deployed to battle flooding as river Danube reached record levels.

Mission In India: Embassy of the Republic of Hungary, 2/50 M, Niti Marg, Chanakya-

puri, New Delhi-110021. Tel: 2611473 Teleax: 26886742.

E-mail:huembde12@vsnl.com

Indian Mission in Hungary: Embassy of I dia, Buzavirag utca 14, 1025 Budapest, Hu gary. Tel: 00-36-1-3257742, 3257743; Fa 00-36-1-3257745.

E-mail:chancery@indembassy.hu Webset: www.chancery@indembassy.h

77. Iceland

(Republic of Iceland) Lyoveldio Island



Capital: Reykjavik; Area: 102,846 sq.ki Population:299,388; Languages: Iceland Religions: Evangelical Lutheran-87.1%, Oth Protestant -4.1% Literacy: 99%; Life Experancy: 80.31; Currency: Krona (\$1=75.13! p.c.l: \$ 35,600; Date of Independence: 1 June, 1944.

Government Type: Constitutional Repulic; President: Olafur Ragnar Grimsson; Pl Geir H. Haarde.

Iceland is an island close to the Arctic Circ in the North Atlantic. The Norwegian Sea on the eastern side of Iceland. The warm G Stream makes the winters mild.

During the short cool summers, there perpetual daylight for many weeks, making an island of the Midnight Sun. The island h many geysers and hot springs. Iceland has ov 200 volcanoes, many of them still active.

History: The people of Iceland are the d scendants of the dare-devil Vikings of No

way. After having been independent till the 13th century it became part of Norway, and then passed under Danish rule. In 1941 the Althing (the world's oldest surviving parliament) voted for complete independence and a republic was formed on June 17, 1944. Iroland's language has maintained its purity · 1000 years.

Economy: Much of the land in Iceland lies icultivated. Potatoes, turnips and hay are e major crops. Fishing industry is highly deloped. Exports: Marine products and aluinium. Iceland taps thermal and hydro wer for energy-hungry industries. A \$ 2 bilin hydro-electric system and aluminium relter to be built by 2008 will double owth from the current unusually low rate 1.5%.

Mission in India: Embassy of Iceland staaned at London.

Consulates: Consulate General, 'Speedbird ouse', 41/2 M, Connaught Circus, New elhi-110 001, Tel: 23417122; Fax: 23416275.

E-mail: khemka@13.vsnl.net.in E-mail: Khemka@de13.vsnl.net.in

Indian Mission in Iceland: Honorary Conilate General of India, Solvallagate 48, 101, eykjavík, Iceland. P.O. Box No. 678, 121 eykjavík. Tel: 00-354-1-28255; Fax: 00-354--625010.

8. India

Republic of India)

lapital: New Delhi; Other Large Cities: Jumbai, Kolkata, Chennai; Area: 3,287,263 q.km.; Population: 1,095,351,995; Lan-Juages: Hindi (official), English, 18 officially ecognised languages; Religions: Hindu-31.3%, Muslim-12%, Christian-2.3%, Sikh-1.9%, Other groups including Buddhist, Jain, 'arsi-2.5; Literacy: 64.8%; Life Expectancy: 54.35; Currency: Rupee (US \$1 = 46.84); p.c.l: \$ 3,300; Date of Independence: 15th August, 1947.

Government Type: Federal Republic: President: A.P.J. Abdul Kalam; PM: Dr. Manmohan Singh.

For details see Part- Eight, India

79. Indonesia

(Republic of Indonesia) Republik Indonesia



Capital: Jakarta; Other Large Cities: Surabaya, Bandung: Area: 1,904,569 sq.km; Population: 245,452,739; Languages: Bahasa Indonesian, Dutch, English, Javanese and other Austronesian languages; Religions: Muslim-88%, Protestant-5%, Roman Catholic-3%, Hindu-296, Buddhist-196, others-196; Literacy: 87.9%; Life Expectancy: 69.87; Currency: Rupiah (\$1=9292.50); p.c.i: \$ 3,600; Date of Independence: 17th August, 1945.

Government Type: Republic; Head of State & Govt (President): Susilo Bambang Yudhoyono.

History: Formerly the Dutch East Indies, the Republic of Indonesia, the biggest Islamic nation, is an archipelago state consisting of about 13,500 (6000 inhabited) islands extending some \$150 km. along the Equator in the Indian and Pacific Oceans.

The largest islands of the archipelago are Sumatra, Java, Kalimantan (Indonesian Bomeo), Sulavesi and Irian Java.

The islands were made an integral part of the Netherlands Kingdom in 1922. During World War II, Indonesia was under Japanese military occupation. On Aug. 17, 19 donesia proclaimed independence Dutch.

The year 1998 was marked by economic chaos. Gen. Suharto was forced to resign in May. He was succeeded by his vice-president, Bacharuddin Jusuf Habibie. Abdurrahman Wahid, leader of Indonesia's largest Muslim organisation, was elected president in Oct.20, 1999. He was on a collision course with the House of Representatives since Feb. after two scandals and debate on his impeachment began in May. On July 23, he was dismissed by National Assembly.

Indonesia annexed East Timor in 1976. A referendum (UN called it 'popular consultation') was held in East Timor on Aug. 30, '99. Ninety percent tumed out, and the vote was for independence from Indonesia. East Timor slipped into violence and bloodbath. A UN interim administration took command in October. In May, 2002 East Timor became independent. Aceh and Irian Java are two provinces with long-running separatist movements.

Economy: One of the world's richest countries in natural resources, Indonesia has vast supplies of tin, oil and fairly big deposits of bauxite, copper, nickel, gold and silver. Agriculture is the main occupation of the people. Crops include rice, tobacco, coffee, rubber, cassava, maize, pepper, kapok, coconut, palm oil, tea and sugarcane. Forest products are a major source of foreign exchange. Food processing, textiles, paper, cement, automobile & cycle assembly works and chemicals factories have developed. With a foreign debt in excess of \$135 b., Indonesia is one of the largest debtor countries of the world.

Recent Events: In January 2006, an East Timorese report accused Indonesia of wide-spread atrocities during its 24-year occupa-

tion, holding it responsible for the deaths of more than 1,00,000 people. In February-March, deadly protests at a major US-owned gold and copper mine in Papua province followed attempts to remove illegal prospectors from the site. In May, a powerful earthquake killed thousands of people on the island of Java. In July, a tsunami, triggered by a large undersea earthquake, killed more than 500 people on the island of Java.

Mission in India: Embassy of the Republic of Indonesia, Kautilya Marg, 50-A, Chanakyapuri, New Delhi- 110021. Tel: 26118642-45; Fax: 26874402, 26886763, 26888279 (Visa),26885460(comm).

E-mail: iembassy@giasd101.vsnl.net.in Consulate General of the Republic of Indonesia: 19, Altamount Road, Cumballa Hill, Mumbai-400 026: Ph: 91-22-23868678,

23800940; E-mail: kjrimumb@bom3. vsnl.net.in

Indian Mission in Indonesia: Embassy of India, S-1, Jalan H.R. Rasuna Said, Kuningan, Jakarta Selatan 12950, Indonesia. Tel: 00-62-21-5204150, 5204152, 5204157; Fax: 00-62-21-5204160.

E-mail: meoijkt@indo.net.id/ eolisi@ indo.net.id

80. Iran

(Islamic Republic of Iran) Jomhon-e-Islamie-Iran



Capital: Teheran; Other Large Cities: Esfahan,

Mashad; Area: 1,648,000 sq.km; Population: 68,688,433; Languages: Persian (Farsi), Turk, Kurdish, Arabic; Religions: Shi'a Muslim-89%, Sunni Muslim-9%, Zoroastrian, Jewish, Christian and Baha'i-2%; Literacy: 79.4%; Life Expectancy: 70.26; Currency: (\$1=9166.50); p.c.i: \$ 8,300; Date of Independence: 1" April, 1979.

Government Type: Islamic Republic; President: Mahmud Ahmadi-Nejad.

History: Iran, formerly Persia, lies between Caspian Sea and the Persian Gulf and consists of a central plateau surrounded by mountains. A popular revolution of Islamic charlong-ruling Shah acter swept the Mohammed Reza Pahlavi from power and installed a strict clerical leadership under Ayatollah Ruhollah Khomeini, spiritual leader of the Shia Muslim community. An Islamic Republic was proclaimed on April 1, 1979.

Iran is a country of great antiquity, celebrated alike for its culture and military valour.

Economy: Agriculture employs 30% of the labour force. The chief products are wheat, barley, rice, fruits (largest producer of dates), wool and sugar beets. Iran is one of the biggest oil-producing regions in the Middle East. It owns 7.5% of total world oil reserves and 15% of global gas deposits. Emeralds and other gems are found in Khorassan and Kerman. Persian carpets, made on handlooms are famous. Other industries: Textiles, cement, processed foods, steel and copper fabrication.

Recent Events: In January 2006, Iran broke IAEA seals at its Natanz nuclear research facility. In February, IAEA voted to report Iran to the UN Security Council over its nuclear activities. Iran resumed uranium enrichment at Natanz. In March, earthquakes killed scores of people and rendered thousands homeless in Lorestan province. In April, Iran claimed it had succeeded in enriching uranium at its Natanz facility.

Mission In India: Embassy of the Islamic

Republic of Iran, No. 5, Barakhamba Road, New Delhi-110001. Tel: 23329600-02; Fax: 23325493, 23713704 (Armed Forces).

E-mail:iranemin@vsnl.com

Consulate General of The Islamic Republic of Iran: "Swapnalok", First Floor, 47, Nepean Sea Road, Mumbai-400 026; Ph. 3630073. 3631029

Indian Mission In Iran: Embassy of India, 46, Mir-Emad, Corner of 9th Street. Dr.Beheshti Avenue, P.O. Box No. 15875-4118, Tehran (Islamic Republic of Iran), Tel: 00-98-21-87551034/5; Fax: 00-9B-21-8755973, 8745557,

E-mail:indemteh@dpi.net.ir

81. Iraq

(Republic of Iraq) al Jumhoriya al 'Iraqia



Capital: Baghdad; Other Large Cities: Basra, Mosul; Area: 438,446 sq.km; Population: 26,783,383; Languages: Arabic (official) and Kurdish; Religions: Muslim-97% (Shi'a-60-65%, Sunni-32-37%), Christian and others-3%; Literacy: 40.4%; Life Expectancy: 69.01; Currency: New Iraqi Dinar (\$1=1469.6); p.c.l: \$ 3,400; Date of Independence: 34 October, 1932.

Government Type: Transitional Government; Govt.: The country is under U.S. trol; President: Jalal Talabani; P.M.: 1-Maliki.

History: Iraq in the Middle Earr 点線

from Gaza Strip and Jericho. On Sept. 13, the historic accord between PLO and Israel was signed in Washington for limited Palestinian self-rule in Gaza and West Bank. Israel and Jordan signed (July, '94) a declaration ending 46-year state of war. Israeli-PLO agreement of Aug. '95 expanded Palestinian self-rule in West Bank.

Under an accord of Oct. '98, Israel yielded more West Bank territory to Palestinians In exchange for new security guarantees. In June 1999, Israel announced plans to extend Jerusalem municipal authority over nearby Jewish settlements In the West Bank. Palestinians called it a 'de facto annexation'. In Sept, Israel and Palestinians sIgned an agreement providing for the implementation of the Wye Memorandum.

On May 25, 2003 Israell cabinet approved plan for a Palestinian state by 2005 as per the US-backed peace 'road map' Strong disagreement arose in July between Israel and Palestinian Authority over the number of Palestinian prisoners Israel was prepared to release. Israel went ahead with building the controversial security fence that divides Israel and Palestinian areas. Hamas leader Abu Shanab was killed by Israel. Hope for the road map was shattered. In Set., Israel said it was prepared to 'remove' Arafat.

Israel has developed both agriculture and Industry In the little land allotted to it with considerable expertise and efficiency. They have literally made the deserts bloom. Kibbutzim (collective cultivation), Irrigation schemes and reclamation of desert-land formed the main feature of agricultural development. Citrus fruits are the main exports. Wine-making is an extensive industry. In diamond-cutting, israel comes next only to Belgium. Other industries are textiles, electronics, machinery, processed foods and chemicals.

Gaza Strip: Area-363 sq.km; Pop-1,054,200. Agreements between Israel and PLO in 1993 and '94 provided for interim selfrule in Gaza. Israel is in control of security, while Palestinian Authority is responsible for civil govt. Most inhabitants are Palestinian Arabs.

West Bank: Area- 5,879 sq. km; Pop.-1,557,000. Palestinian Authority administers several major cities, but Israel retains control over much land. In '94, Jericho was given to Palestinian control. Self-rule was expanded in '95. In '97 there was agreement on partial pullout from Hebron.

Recent Events: The centrist Kadima party won a slim majority In elections in March 2006. Israel waged a weeks-long military campaign against Hezbollah guerrillas in Lebanon. Political opponents alleged shortcomings in the conduct of the war. The Prime Minister said the offensive had destroyed much of Hezbollah's weaponry and Infrastructure.

Mission in India: Embassy of Israel, 3, Aurangzeb Road, New Delhi-110 011; Tel: 201 3238: Fax: 2301 4298.

E-mail: israelem@vsnl.com

indlan Mission in Israel: Embassy of India, 4, Kaufman Street, Sharbat House, Post Box No. 50095, Tel Aviv 68012, Israel. Tel: 00-972-3-5101431: Fax: 00-972-3-5101434.

E-mail:indemtel@netvislon.net.il

84. Italy

(Italian Republic) Republica Italiana



Capital: Rome; Other Large Cities: Milan, Naples, Turin, Florence; Area: 301,278

sq.km.; Population: 58,133,509; Languages: Italian; Religions: Roman Catholic; Literacy: 98.6%; Life Expectancy: 79.81; Currency: Euro (\$1=0.791); p.c.i: \$ 29,200; Date of Independence: 17th March, 1861.

Government Type: Republic; President: Giorgio Napolitano; PM: Romano Prodi.

History: The Italian Republic occupies the long peninsular area in Europe shaped like a boot extending from the Alps into the Mediterranean Sea. The islands of Sicily (off the toe of the boot), Sardinia, Elba and Capri in the Mediterranean belong to Italy.

Mount Etna, an active volcano, rises to 3,274 m. Italy's largest northern lakes are Garda, Maggiore and Como. The main river is the Po.

Italy, once the headquarters of the great Roman Empire, disintegrated into many petty states during the latter Middle Ages. Modern Italy began to develop when King Victor Emmanuel II of Savioa became ruler.

On April 28, 1945 Benito Mussolini, the Fascist dictator, was put to death. Consequent on a referendum on June 2, 1946, Italy voted for a Republic. The king laid down his kingship. Italy is a member of the European Union.

Economy: Since World War II, Italy has revolutionised agricultural production. The chief crops are grapes, wheat, sugarbeet, fruits and vegetables. Italy is among the highly industrialised countries of the world, main products being steel, machinery, electrical, mechanical and electronic gadgets, automobiles, chemicals, cement, textiles and shoes. Italy is world's largest jewellery maker. Tourism is an important source of revenue, providing employment and an influx of foreign currency.

In economic terms, the country's great strength has been in manufacturing. It does have some large multinational companies, notably Fiat (cars) and Olivetti (telecommunications), but manufacturing is dominated by networks of thousands of small firms, chiefly in clothing, fumiture, kitchen equipment, and white goods such as refrigerators and cookers.

Rome celebrated its 2753rd birthday in May, 2000. The colosseum was reopened for public show in July, 2000.

Recent Events: In April 2006, Centre-left leader Romano Prodi won closely-fought general elections. Italy's most-wanted man, suspected head of the Sicilian mafia Bernardo Provenzano, was captured by police. In June, National referendum rejected constitutional reforms intended to boost the powers of the prime minister and regions. Italy won the 2006 FIFA world Cup soccer tournament beating France

Mission in India: Embassy of Italy, 50-E, Chandragupta Marg, Chanakyapuri, New Delhi-110021. Tel: 26114355, 26114359, 26114353; Telefax: 26873889.

E-mail:italemb@de13.vsnl.net.in

Indian Mission in Italy: Embassy of India, Via XX Settembre, 5, 00187, Rome, Italy. Tel: 00-39-06-4884642 to 45; Fax: 00-39-06-4819539.

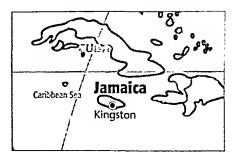
F-mail:ind.emb@flashnet.it

Ivory Coast

(See under Cote D'Ivoire)

85. Jamaica

Capital: Kingston; Area: 11,425 sq.km; Population: 2,758,124; Languages: English and



Jamaican Creole; Religions: Protestant-61.3%, Roman Catholic-4%, others including some spiritual cults-34.7%; Literacy: 87.95%; Life Expectancy: 73.24; Currency: Dollar (\$1=66.946); p.c.l: \$4,400; Date of Independence: 6th August, 1962.

Government Type: Constitutional Parliamentary Democracy; Gov.Gen.: Kenneth O. Hall: PM: Portia Simpson-Miller.

Jamaica, an island in the Greater Antilles group of the West Indies, is situated in the Caribbean Sea, 144 km south of Cuba.

History: Jamaica was visited by Columbus in 1494 and ruled by Spain till 1655 when Britain occupied it. On August 6, 1962 Jamaica became fully independent and a member of the Commonwealth. About 75% of the population is of African ethnic origin,

Economy: Agriculture, mining and tourism form the backbone of the economy. The dominant crop is sugar, with molasses and rum as important by-products. Bananas, citrus fruits and coconuts are also grown. Jamaica is the world's second largest producer of bauxite and alumina. Other industries are cement, tobacco, consumer goods and tourism.

Mission in India: Embassy of Jamaica stationed at Ottawa

Indian Mission In Jamaica: High Commission of India, 4, Retreat Avenue, P.O. Box No. 446, Kingston-6, Jamaica. Tel: 00-1-876-9273114, 9274270; Fax: 00-1-876-978280, 97803591.

E-mail:hicomindkin@cwjamaica.com

86. Japan

(Nippon)

Capital: Tokyo; Other Large Cities: Yokohama, Osaka, Sapporo, Kyoto, Hiroshima; Area: 377,765 sq.km; Population: 127,463,611; Languages: Japanese; Religions: Shinto and Buddhism-84%, others-16% (including Christian-0.7%); Literacy: 99%; Life Expectancy: 81.25: Currency: Yen (\$1-114.96); D.c.i. 81.25: Currency: Yen (\$1-114.

31,500; Date of Independence: 660 B.C.

Government Type: Parliamentary Democracy; Head of State: Emperor Akihito; PM: lunichiro Koizumi.

History: Japan, an archipelago off E. coast of Asia, consists of four main islands, Honshu (Mainland), Hokkaido, Kyushu and Shikoku and a number of smaller islands of which Okinawa is one. Japan has a deeply indented coastline measuring 26,600 km. Main ports are Yokohama, Kobe, Nagoya and Osaka. There are about 60 more or less active volcanoes of which the best known is Mount Aso. The famous Mount Fuji is not active, Legend has it that the Japanese Empire was founded by Emperor Jimmu in 660 B.C. In A.D. 1868 Emperor Meiji united the whole of Japan under his rule. Japan had little trade relations with foreign countries until 1871 when it entered into a trade treaty with USA. After the feudal system was abolished, westernisation set in. In 1952, Japan regained its sovereignty. Japan's victory in the Russo-Japanese War of 1904-05 raised her prestige among European powers.

Economy: Rice, the staple food of Japan, is cultivated in half the area of arable land. Other crops are wheat, barley, potatoes and tobacco. Except for limestone and sulphur, Japan is poor in minerals and Japanese industry is heavily dependent on imported raw materials and fuel. Japan, one of the most industrially advanced countries of the world,



is a leader in technology and the world's second richest country. The principal industries are automobiles, iron and steel, chemicals, textiles (cotton, wool, silk and synthetics), fishing, ceramics, precision instruments, fertilisers, machinery and shipbuilding. Japan has evolved an extensive fishing industry.

Japanese women have been the world's longest lived since 1985 and Japanese men since 1986.

In April, 1997 Japanese cabinet approved a bill allowing U.S bases to continue to use land in Okinawa, a key military foothold in East Asia.

Recent Events: Japan and China failed to reach a breakthrough at talks in Beijing over the issue of who control oil and gas reserves in disputed areas of the East China Sea.

Mission in India: Embassy of Japan, 50-G Shantipath, Chanakyapuri, New Delhi - 110 021, Tel: 26876581, 26876564; Fax: 26885587.

E-mail: jpprocol@nda.vsnl.net.in Web: www.japan-emb.org.in

Cultural & Information Centre, 32-Ferozeshah Road, New Delhi-110 001. Tel:3329803; Fax:371-2124

Indian Mission in Japan: Embassy of India, 2-2-11, Kudan-Minami, Chiyoda-ku, Tokyo-102, Japan. Tel: 00-81-3-32622391to 97; Fax: 00-81-3-32344866.

E-mail:indembjp@gol.com.

87. Jordan

(Hashemite Kingdom of Jordan) al Mamlaka al Urduniya al Hashemiyah

Capital: Amman; Other Large Cities: Zarka, Irbid, Salt; Area: 89,287 sq.km; Population: 5,906,760; Languages: Arabic and English; Religions: Sunny Muslim-92%, Christian-6%, others-2%; Literacy: 91.3%; Life Expectancy: 78.4; Currency: Dinar (\$1 =0.708); p.c.i: \$ 4,700; Date of Independence: 25th May, 1946.

Government Type: Constitutional Monarchy; Head of State: King Abdullah II; PM: Marouf Suleiman Bakhit.

History: A constitutional monarchy in south-west Asia, Jordan was popularly known as Trans-Jordan till 1949, when the popular name was changed to the Hashemite Kingdom of Jordan. The population is chiefly Arab of whom the majority are Muslims. In 1946, Jordan was proclaimed an independent kingdom.

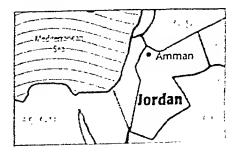
Economy: Jordan is largely desert but the western portion is fertile and produces citrus fruits, wheat, barley, lentils and water melons. Phosphate and potash make up the country's most important export item, but tourism remains its main foreign exchange eamer.

Economic growth was remarkable during 1977-'82, described as the 'boom years'. School enrollment is currently one of the highest among developing countries - 94% for basic education. Almost 99% of the population have access to electricity and safe water. Industry accounts for 26% of GDP, agniculture 4%, and services sector 70%.

Textiles, cement, food-processing, petroleum products, iron and fertiliser are major industries.

On July 25, 1994, Israel and Jordan signed a joint declaration in Washington, ending 46 years of hostility.

Recent Events: Jordan was caught in the middle of hostility between Iraq and USA. Much of its oil comes from Iraq. USA is its largest donor.



Mission In India: Embassy of the Hashemite Kingdom of Jordan, 30, Golf Links, New Delhi-110 003; Tel:24653318, 24653099; Fax: 24653353.

E-mail: jordemb@ndf.vsnl.net.in

Indian Mission In Jordan: Embassy of India, Post Box 2168, 1st Circle, Amman-11181, Jordan. Tel: 00-962-6-4622098, 4637262; Fax: 00-962-6-4659540.

E-mail:indembjp@firstnet.com.jo

88. Kazakhstan

(Republic of Kazakhstan) Kazak Respubli-kasy



Capital: Astana (also known as Akmola); Other Large Cities: Karaganda, Chimkent; Area: 2,717,300 sq.km; Population: 15,233,244; Languages: Kazakh, Russian, German; Religions: Muslim-47%, Russian orthodox-44%, Protestant-2%, others-7%; Literacy: 98.4%; Life Expectancy: 66.89; Currency: Tenge (\$1=119.825); p.c.l: \$8,200; Date of Independence: 16th December, 1991.

Government Type: Republic; President: Nurusltan A. Nazarbayev; PM: Daniyal Akhmetov.

History: A former Soviet Republic which declared independence on December 16, 1991, Kazakhstan stretches from the Chinese border to the Caspian Sea and is bounded by Russia, Uzbekistan and Kyrgyzstan.

The second largest former Soviet Republic is an ethnically diverse country whose popula-

tion includes over hundred nationalities. About 60% of the people live in urban areas. Half of the population is Russian or Ukrainian working on farms and in industries.

Economy: Agriculture: Grain, sugar beet, potatoes, vegetables, meat, milk, eggs, cotton. Noted for its sheep from which high quality wool is obtained.

Natural resources: Half of former Soviet Union's total deposits of copper, lead and zincare in Kazakhstan. Other minerals: coal, tungsten, oil, nickel, chromium, molybdenum, manganese. Kazakhistan has the second largest oil field in the world in Kasagan, and sits on an estimated 3 billion tonnes of oil and 2 trillion tonnes of gas.

Industry: Iron ore, sulphuric acid, agricultural machinery, ferroconcrete, knitwear, footwear, hosiery. Among former Soviet Union's industrial republics, Kazakhstan has the third place.

In July, '98 Kazakhstan and Russia signed a pact of 'eternal friendship and cooperation' which provides for mutual military assistance in case of outside agression against either. In Jan. '99, President Nazarbayev was re-elected for another 7-year term.

Recent Events: In January 2006, opposition leader Galymzhan Zhakiyanov returned home to Almaty from internal exile after being released on parole. In February, opposition figure Altynbek Sarsenbaiuly, his bodyguard and driver were shot dead outside Almaty.

Mission In India: Embassy of the Republic of Kazakhstan, 4, Olof Palme Marg, Vasant Vihar, New Delhi-110 057; Tel: 26144779, 26147983; Telefax: 26144778.

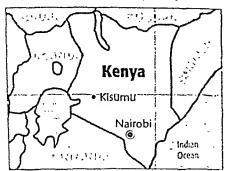
E-mail:embaskaz@giasd101.vsnl.net.in

Indian Mission in Kazakhstan: Embassy of India, Ulitsa Maulenova 71, Almaty-480091, Kazakhstan. Tel: 00-703272-921411, 694746; Fax: 00-7-3272-92667.

E-mail:india@in.emb.almaty.kz / chancery@ indembasy.almaty.kz

89. Kenya

(Republic of Kenya) Jamhuriya Kenya



Capital: Nairobi; Other Large Cities: Mombasa, Kisumu; Area: 582,646 sq.km; Population: 34,707,817; Languages: Kiswahili, English, Kikuyu and several other local languages; Religions: Protestant-45%, Roman Catholic-33%, Indigenous beliefs-10%, Muslim-10%, others-2%; Literacy: 85.1%; Life Expectancy: 49.78; Currency: Shilling (\$1=73.65); p.c.i: \$ 1,100; Date of Independence: 12th December, 1963.

Government Type: Republic; President & PM: Mwai Kibaki.

History: Formerly a British colony, Kenya in East Central Africa became independent on December 12, 1963(four years after the end of the violent Mau Mau uprising), and a Republic within the Commonwealth on December 12, 1964.

Economy: Kenya's prosperity rests largely on agricultural products. The chief cash crops are coffee, tea, sisal, cereals, wattle and pyrethrum. Kenya has a significant dairy industry. Mineral industries are being organised. Other industries include textiles, consumer goods and processed foods. Major exports are tea, coffee, horticulture, petroleum products and cement, Imports include crude petroleum, industrial machinery, iron and steel and drugs. Tourism has expanded considerably. Large game reserves have been developed.

15.

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Tribal clashes in the western provinces claimed thousands of lives in early 1990s. Widespread unemployment and inflation were major problems in the first half of the decade.

The year 1997 witnessed pro-democracy clashes in the worst political violence since 1991, against Arap Moi's leadership. In Jan. '98, Arap Moi was sworn in for a final (fifth) five-year term as President.

On August 7, a devastating bomb explosion near the US embassy in Nairobi killed 200 people and injured 4000 others.

Recent Events: In January-February 2006. government ministers were linked to a corruption scandal involving contracts for a phantom company. One of them, Finance Minister David Mwiraria, resigned and said allegations against him were false. In March, armed police, acting on government orders, raided the offices and presses of the Standard group, one of Kenya's leading media companies. In April, visiting Chinese president Hu Jintao signed a contract allowing China to prospect for oil off the Kenyan coast.

Mission in India: High Commission of Kenya, 34, Paschimi Marg, Vasant Vihar, New Delhi - 110 057. Tel: 2614 6537/38, 26146540; Fax: 91-11-26146550.

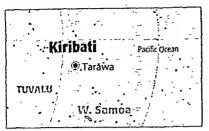
E-mail:kenredel@ndf.vsnl.net.in

Indian Mission in Kenya: High Commission of India, Jeewan Bharati Building, Harambee Avenue, P.O. Box 30074, Nairobi, Kenya. Tel: 00-254-2-222566,222567, 224500, 225180, Fax: 00-254-2-334167, 751644(R).

E-mail:comsechcinbo@form-net.com / hcinfo@iconnect.co.ke

90. Kiribati

(Republic of Kiribati) Ribaberikin Kiribati Capital: Tarawa; Area: 861 sq. km; Population: 105,432; Languages: Gilbertese and English; Religions: Roman Catholic-52%, Protestant (congregational)-40%; Life Expectancy: 62.08; Currency: Australian Dollar (US 😘 . \$1 = \$1.35446); p.c.l: \$ 800; Dat pendence: 12th July, 1979.



Government Type: Republic; Head of State and Govt.: Anote Tong.

History: Gilbert islands, till recently a British colony, became independent under the name Kiribati (pronounced Kiribas) in July, 1979.

Economy: These islands, spread over a vast area in South West Pacific, number around 33. All islands except Ocean Island (Banaba) are low atolls with coconuts, pandanus and bread fruit forming the main vegetation. The population is Micronesian and Polynesian. Agriculture and fishing are the main occupations. Ocean Island has high grade phosphate deposits which are being mined and exported. Copra is the other major export item.

Recent Events: In March 2006, Kiribati distinguished itself on the global conservation map with the declaration that it was creating the third largest marine protected area in the world, conserving an archipelago of some of the planet's most pristine coral reefs

91. Korea (North)

(Democratic People's Republic of Korea) Chosun Minchuchui Inmín Konghwaguk



Capital: Pyongyang; Other Large Cities: Hamhung, Chongjin; Area: 120,538 sq.km; Population: 23,113,019; Languages: Korean; Religions: Traditionally Buddhist and Confucianist, some Christian and syncretic Chondogyo (Religion of the Heavenly Way); Literacy: 99%; Life Expectancy: 71.65; Currency: Won (KPW) (\$1 = 142.45); p.c.i: \$1,000; Date of Independence: 15th August, 1945.

Government Type: Communist State; President: Marshal Kim Jong II; PM: Pak Pong Iu.

The Democratic People's Republic of Korea occupies the northern part of the Korean peninsula.

History: During the Second World War, America occupied South Korea, and Russla North Korea. At the Potsdam Conference, the 38th parallel of latitude was recognised as the line of division between the occupation areas of Russia and America. South Koreans formed the Republic of Korea in May, 1948. North Korea was formed into the Democratic People's Republic of Korea on Sept. 9, 1948. North Korean army attacked S. Korea in June, 1950, initiating the Korean War, U.S. and other western nations, with U.N. backing, supported the south. China sent an army across the border. The war ended in an armistice (July 1953) leaving Korea divided by a 'no-man's land' along the 38th parallel. Kim ll Sung, who ruled Korea since 1948 died in July, 1994.

Economy: All industries are nationalised. Agriculture is collectivised. Chief crops: rice, maize, potatoes. Industrial development has concentrated on heavy industry, electricity, metallurgy, machinery and chemicals. The country is rich in coal and iron and many nonferrous metals and hydro-electric power. It is one of the five leading countries of the world in the production of tungsten, graphite and magnetite.

Several proposals for talks between North

and South Korea on reunification have been made since 1980, but have repeatedly broken down.

The two Koreas agreed in 2000 to reconnect a rail link and to reopen border liaison offices. An accord was signed to reunite relatives separated by the division of the peninsula.

Recent Events: • In February 2006, highlevel talks with Japan, the first since 2003, failed to yield agreement on key issues, including the fate of Japanese citizens abducted by North Korea. In July, North Korea test-fired a long-range missile, and some mediumrange ones, to an international outcry.

Mission in India: Embassy of the Democratic People's Republic of Korea, D-14, Maharani 8agh, New Delhi - 110 065. Tel: 26829644, Telefax: 26829645.

Indian Mission in Korea (Democratic People's Republic): Embassy of India, 6, Munsudong, Taehek Street, District Daed-onggang, Pyongyang, DPR Korea. Tel: 00-850-2-3817274, 3817215; Fax: 00-850-2-3817619.

92. Korea (South)

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(Republic of Korea) Taehan Min'quk Capital: Seoul; Other Large Cities: Pusan,



Inchon; Area: 98,859 sq.km; Population: 48,846,823; Languages: Korean; Religions: no affiliation-46%, Christian-26%, Buddhist-26%, Confucianist-1%, others-1%; Literacy: 97.9%; Life Expectancy: 77.04; Currency: Won (\$1=966.76); p.c.i: \$ 20,400; Date of Independence: 15th August, 1945.

Government Type: Republic; President: Roh Moo-hyun; PM: Han Myeong-sook.

History: The Republic of Korea, formally proclaimed on August 15, 1948, forms the southern part of the Korean peninsula. The period 1950-53 saw the Korean War, a tragic experience for the entire Korean people.

In 1991, the prime ministers of North and South Korea signed a declaration of non-aggression and reconciliation.

Economy: Chief crops are rice, wheat, barley, potatoes and vegetables. Fish is both an export item and a source of food. There are substantial coal deposits. Other minerals include iron, tungsten, graphite and fluorite. Has made big leaps in industry - textiles, electronics, steel, petrochemicals, ships and motor vehicles. Korean construction businesses are the most prolific in the world, and the nation ranks second in ship building, receiving orders amounting to 9.75 million gross tons (GT) for 208 ships in 2002.

Recent Events: In February 2006, South Korea and the US launched talks on a free trade agreement, potentially the largest free trade deal involving the US in Asia.

Mission in India: Embassy of the Republic of Korea, 9, Chandragupta Marg, Chanakyapuri Extn., New Delhì - 110 021. Tel: 26885412/19, 26885374-76; Fax: 26884840.

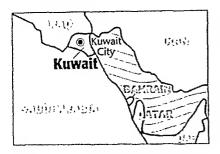
E-mail: embkorea@vsnl.com

Indian Mission in Korea (Republic of): Embassy of India, 37-3, Hannam-dong, Yongsanku, C.P.O. 8ox 3466, Seoul. Tel: 00-82-2-798 4257/7984268; Fax: 00-82-2-7969534, 7909938(R).

93. Kuwait

(State of Kuwait) Dowlat al-Kuwait

Capital: Kuwait City; Other Large Cities: Hawalli, as-Salimiya ; Area: 17,818 sq.km; Population: 2,418,393; Languages: Arabic and English; Religions: Islam; Literacy: 83.5%;



Life Expectancy: 77.2; Currency: Kuwait Dinar (\$1=0.289); p.c.i: \$ 19,200; Date of Independence: 19th June 1961.

Government Type: Constitutional Monarchy: President: Amir Sabah al-Ahmed al-Jabir al-Sabah: PM: Nasir al-Muhammed al-Ahmad al Sabah.

History: Kuwait, a small Arab state, is on the north western coast of the Persian Gulf between Iraq and Saudi Arabia. There are 9 Islands off the coast of Kuwait. Rate of growth of population is 3,33%. More than 125 nationalities live in Kuwait.

One of the richest oil nations of the world, Kuwait was traditionally under the rule of the Al-Sabah dynasty founded in 1756. Became independent state on June 19, 1961.

Economy: Kuwait is a small, relatively open economy with proved crude oil reserves of about 96 billion barrels - 10% of world reserves. Petroleum accounts for nearly half of GDP, 95% of export revenue, and 80% of government income. Kuwait's climate limits agricultural development. Consequently with the exception of fish, it depends almost wholly on food imports. Other products: fertilisers, chemicals, building materials, shrimp. Only one percent land is cultivated.

Iraq invaded and annexed Kuwait on August 2, 1990. However they were beaten back by a united force under the U.N.

In May, '99, Kuwait moved further towards democracy with women given right to vote and run for parliament.

Recent Events: In April 2006, women cast

their votes for the first time, in a municipal byelection. In lune, women failed to win any seats in their first attempt to compete in parliamentary elections. The opposition - a loose alliance of reformists, liberals and Islamists - made gains, winning nearly two-thirds of the seats.

Mission In India: Embassy of the State of Kuwait, 5-A, Shantipath, Chanakyapuri, New Delhi - 110021. Tel: 24100791; Fax: 26873516

Recent Events: Kuwait appointed a woman-Massouma al-Mubarak-as Planning Minister, the first woman minister in the country.

Indian Mission in Kuwait: Embassy of India, Diplomatic Enclave, Arabian Gulf Street, P.O. Box.No. 1450-Safat, 13015-Safat, Kuwait. Tel: 00-965-2530600, 2540612/13, ; Fax: 00-965-2525811, 2571192.

E-mail:indemb@ncc.moc.kw

Website: www2.kems.net/users/indemb/ index.htm

94. Kyrgyzstan

(Republic of Kyrgyzstan) Kyrgyz Respubli-kasy



Capital: 8ishkek; Area; 198,500 sq.km; Population: 5,213,898; Languages: Kirghyz, Russian; Religions: Muslim-75%, Russian Orthodox-20%, others-5%; Literacy: 98.7%; Life Expectancy: 68.49; Currency: Som (\$1=40.29); p.c.l: \$ 2,100; Date of Independence: 31ⁿ August, 1991.

Government Type: Republic; President: Kurmanbek 8akiyev; PM: Feliks Kulov.

History: A former Soviet Republic that beame independent in December, 1991, kyrgyzstan is situated on the Tien-Shan nountains. It has China, Kazakhstan, U:bekistan and Tadzhikistan as neighbours.

Economy: Agriculture: Kyrgyzstan is famed for itslivestock breeding. Bee-keeping is well-developed. Products: Grain, cotton, potatoes, vegetalles, fruit, meat, milk, eggs, wool, tobacco.

industry: Sugar, food, cotton, wool, tanning, flour mills, tobacco, timber, textile, engineering, metallurgy, oil and mining.

Recent Events: In January 2006, wrestler, Raatbek Sanatbayev, a candidate for the presidency of the Kyrgyz olympic committee, was shot dead. The post became vacant when the previous holder, Bayaman Erkinbayer, also died violently. In February, parliament speaker Omurbek Tekebayev resigned after row with president Bakiev.

Mission In India: Embassy of the Kyrgyz Republic, C-93, Anand Niketan, New Delhi-110021; Tel: 24108008; Fax: 24108009.

E-mail: alatoo@starith.net.

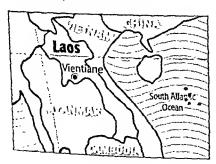
Web: kyrgyzembassyindia.org

Indian Mission in Kyrgyzstan: Embassy of India, 164-A, Chui (Prospect), Bishkek-720001, Kyrgyzstan. Tel: 00-996-312-210863; Fax: 00-996-312-600708, 210849

E-mail:india@elcat.kg / fs@elcat.kg

95. Laos

(Lao People's Democratic Republic) Sathalanalat Paxathipatai Paxaxon Lao



Capital: Vientiane; Other Large Cities: Savannakhet, Pakse; Area: 236,800 sq.km; Population: 6,368,481; Languages: Lao, Tribal, English, French; Religions: Buddhist-60%, animist and others-40%; Literacy: 66.4%; Life Expectancy: 55.49; Currency: New Kip (\$ 1≈101,01); p.c.i: \$ 1,900; Date of Independence: 19th July, 1949.

Government Type: Communist State; President: Lt.Gen. Choummali Saignason; PM: Bouasone Bouphavanh

History: Laos-Lao People's Democratic Republic – occupies a strategic position in south east Asia. A French protectorate since 1893, Laos became an independent sovereign state within the French Union in 1949. Conflicts among neutralist, communist and conservative factions created a chaotic political situation. On Dec. 2, 1975 the republic was proclaimed.

in the 1980s, Vietnamese aid - military and financial - was the chief support. Since 1988, investment from Thailand and USA has been substantial. In 1997, Laos was admitted to ASEAN.

Economy: The chief products are rice, maize, tobacco, cotton. Major industrial products: Tin, timber, textiles.

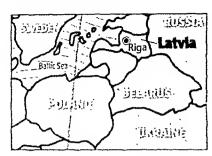
Mission in India: Embassy of the Lao P.D.R., A 104/7 Parmanand Estate, Maharani Bagh, New Delhi-110 065; Tel:26933320; Fax:26323048.

E-mail: amlaodl@ndb.vsnl.net.in

Indian Mission in Lao P.D.R.: Embassy of india, Rue That Luang, P.O. Box No. 225, Vientiane, Laos PDR. Tel: 00-856-21-413802, 413804, 416850/51; Fax: 00-856-21-412768. E-mail:indiaemb@laotel.com

96. Latvia

(Republic of Lativia) Latvijas Republika Capital: Riga; Other Large Cities: Daugavpils, Liepaja; Area: 63,700 sq. km; Population: 2,274,735; Languages: Latvian, Lithuanian,



Russian; Religions: Lutheran, Roman Catholic, Russian orthodox; Literacy: 99.8%; Life Expectancy: 71.33; Currency: Lats (\$1=0.660); p.c.i: \$ 13,200; Date of Independence: 21^x August, 1991.

Government Type: Parliamentary Democracy; Head of State: Mrs. Vaira Vike-Freiberga; PM: Aigars Kalvitis.

History: Latvia has the Baltic sea on the

north and west. Neighbours are Estonia,

Lithuania, Byelorussia and Russia. Latvia seceded from Soviet Union and attained independence in August, 1991, after having attempted to establish independence in 1990. Latvia continues a pro-western foreign

policy; It was largely cut off from the western world during 50 years of Soviet rule. In June '99, Mrs. Vaira was elected President, the first democratically elected woman Presi-

dent of a central or east European country. Economy: Urbanisation has changed the face of this predominantly agricultural country. Crops: oats, barley, rye, potatoes, flax, sugarbeet, meat, milk and eggs. Cattle breeding and dairy farming are chief occupations. Natural resources: peat, briquettes and gypsum. Industry: Electric railway passenger cars and long-distance telephone exchanges (the main producer of these in former Soviet Union), paper and woollen goods, sawn tim-

Recent Events: Joined EU in 2004.

radio receivers.

ber, mineral fertilisers, hosiery, garments,

leather footwear, chemical fibre, buses and

Mission In India: Hon. Consulate General

of Republic of Latvia, 48/11, Malcha Marq Chanakyapuri, New Delhi-110 021, Tel 2112931; Telefax: 26113753.

97. Lebanon

(Republic of Lebanon) al-Jumhouriya al Lubnaniya



Capital: Beirut; Other Large Cities: Sidon Tyre; Area: 10,400 sq.km; Population 3,874,050; Languages: Arabic, French & En

glish; Religions: Muslim-59.7% (Including

Shi'a, Sunni, Druze, Isma'ilite, Alawite o Nusayri), Christian-39% (including Orthodox Christian, Catholic, Protestant), Jewish; Lit eracy: 87.4%; Life Expectancy: 72.88; Cur-

rency: Pound (\$1=1,504); p.c.l: \$ 6,200; Date of Independence: 22nd November, 1943. Government Type: Republic; President

Emile Lahoud; PM: Fuad Siniora. History: The Republic of Lebanon occupies a strip of land along the Mediterranean coas between Syria and Israel. Lebanon became

independent in 1941.

1980s.

According to constitutional conventions the Maronite Christians and Sunni Muslims shared power. However, because of the 16year-old civil war between the Christians (30%) and Muslims (70%) there has been no stable administration. Terrorist bombings were common in 1983; so was kidnapping of foreign nationals by Islamic militants in the

In October 1990, Christian army led by Gen. Michel Aoun was defeated by the Syrian-backed militia cumporting procident Elias Hrawi, who was installed in power by all Arab consensus. In the civil war, above 125,000 people are feared dead. A Syria-Lebanon treaty of 1991 recognised Lebanon as a separate independent state.

Syria, which has 30,000 troops in Lebanon, dominates this country militarily and politically. Israeli troops in southern Lebanon began evacuating outposts there in May, 2000.

Economy: Primarily an agricultural country, Lebanon produces olive oil, grain and fruits. The chief industries are oil refining, food processing, textiles, chemicals and cement. Tourism used to be a valuable source of income.

Recent Events: In February 2006, Denmark's embassy in Beirut was torched during a demonstration against cartoons in a Danish newspaper satirising the prophet Muhammad. Israel launched air and sea attacks on targets in Lebanon after Lebanon's militant Hezbollah group captured two Israeli soldiers. Civilian casualties were high and the damage to civilian infrastructure wide-ranging. In August, thousands of Israeli ground troops thrust into southern Lebanon in an apparent expansion of their military campaign.

Mission in India: Embassy of Lebanon, 26-B, Sardar Patel Marg, Chanakyapuri, New Delhi-110021. Tel:26111919 & 26111415, Telefax: 26111818

E-mail: lebemb@vsnl.net

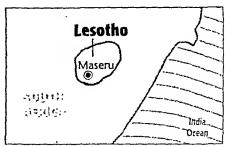
Indian Mission In Lebanon: Embassy of India, 31, Kantari Street, Sahmarani Building, P.O. Box No.113-5250 (Hamra) and 11-1764, Beirut, Lebanon. Tel: 00-961-1-373539, 372619; Fax: 00-961-1-373538.

E-mail:indermbei@dm.net.ib

98. Lesotho

(Kingdom of Lesotho)

Capital: Maseru; Area: 30,355 sq.km; Population: 2,022,331; Languages: English and



Sesotho; Religions: Christian-80%, indigenous beliefs-20%; Literacy: 84.8%; Life Expectancy: 34.4; Currency: Loti (plural Maluti) (\$1=6.84 Maluti); p.c.i: \$ 2,500; Date of Independence: 4th October, 1966.

Government Type: Parliamentary Constitutional Monarchy; Head of State: King Letsie III: PM: Pakalitha Mosisili.

History: The Kingdom of Lesotho is an enclave within the Republic of South Africa. Lesotho was a British protectorate under the name Basutoland. It became independent as Lesotho on Oct. 4, 1966. King Moshoeshoe II died in a car accident in January, 1996.

Economy: The principal occupation is agriculture. Crops: maize, grains, peas, beans. Livestock-raising is important activity. Lesotho possesses water and hydro-electric resources of great potential. Livestock, diamonds, wool and mohair are the main exports. Industry: Food processing. Most of Lesotho's GNP is provided by citizens working in 5. Africa.

Mission in India: Embassy of Lesotho stationed at Beijing.

99. Liberia

(Republic of Liberia)

Capital: Monrovia; Other Large Cities: Buchanan; Area: 111,369 sq.km; Population: 3,042,004; Languages: English and tribal dialects; Religions: Indigenous beliefs-40%, Christian-40%, Muslim-20%; Literacy: 57.5%; Life Expectancy: 39.65; Currency: Liberian Dollar (\$1=54); p.c.i: \$ 1,000; Date of Independence: 26th July, 1847.

Government Type: Republic; President & PM: Ellen Johnson - Sirleaf.

History: Liberia lies on the Atlantic coast of Africa. It was founded in 1822 in order to settle freed American slaves in West Africa and declared a republic on July 26, 1847.

Economy: About 90 per cent of the population is engaged in agriculture, much of it at subsistence level. Main crops are cassava, coffee, rice, cocoa and palm oil. Iron ore and rubber are the main exports. Industry: Food processing, mining.

Civil strife that broke out in Dec. '89 tore the country apart making it the most violent country in the region. About half the population became refugees as a result of the Civil War, which claimed 150,000 lives.

In 1994, a 17-member coalition transition government was instituted. Factional fighting continued. The leaders signed about a dozen peace accords, only to resume fighting. Monrovia descended into chaos and bloodshed in 1996. Ruth Perry led a transitional government in Sept. '96, becoming modern Africa's first female head of state. In July '97, Charles Taylor, a warlord who

launched a civil war eight years ago to oust dictator Samuel Doe, won 75% of the presidential vote, and came to power, pledging to build a new country and apologising for the past bloodshed and violence.

Recent Events: In February 2006, Truth and Reconciliation commission was set up to investigate human rights abuses between 1979 and 2003. In April, former President, Charles Taylor, appeared before a UN-backed court in Sierra Leone on charges of crime against humanity. In June the Netherlands-based International Criminal Court agreed to host his trial.

Mission In India: Honorary Consulate General. Mohan House, Zamrudpur Community Centre, Kailash Colony Extn. New Delhi-110 048. Tel: 264333135; Fax: 26460191

100. Libya

(Socialist People's Libyan Arab Jamahiriya) al-Jamahiriyah al-Arabiya al-Libya al-Shabiya al-Ishtirakiya



Capital: Tripoli; Other Large Cities: Benghazi, Misurata; Area: 1,759,540 sq.km; Population: 5,900,754; Languages: Arabic; Rellgions: Sunni Muslim-97%; Literacy: 82.6%; Life Expectancy: 76.69; Currency: Libyan Dinar (\$1 =1.298); p.c.i: \$ 11,400; Date of Independence: 24th December, 1951.

Government Type: Military Dictatorship; President: Col. Muammar El-Gaddafi; PM: al-Baghdadi Ali al-Mahmudi.

History: An Arab state on the Mediterranean coast of North Africa, Libya changed its name to 'The Socialist People's Libyan Arab Jamahiriya' in 1977. 'Jamahiriya' means 'State of the masses'

Formerly an Italian colony, Libya became an independent state in 1952. The king was deposed in 1969.

Economy: The main agricultural products

heat, barley, dates, olives, almond and fruits. Fishing, tobacco processing, dyend weaving, handicrafts and petroleum ne important industries. Oil was discovin 1957 and today Libya is one of the ng producers of oil.

cent Events: In February 2006, at least eople were killed in clashes with police nghazi, part of a wave of international ests by Muslims who were angered by a sh newspaper's cartoon depictions of the het Muhammad. In May the US said it restoring full diplomatic ties with Libya. lission in India: People's Bureau of the at Socialist People's Libyan Arab ahiriya, 22, Golf Links, New Delhi -003. Tel: 24697771, 24697717; Telefax: 33005.

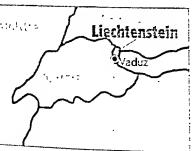
-mail:libya@bol.net.in ndian Mission in Libya: Embassy of India, 18, Shara Mamoud Shaltout, Garden City, . Box 3150, Tripoli, Libya. Tel: 00-218-

4441835-36, 4447899; Fax: 00-218-21-7560.

-mail:indembtrip@mail.link.net.mt/ ind btrip@hotmail.com

) I. Liechtenstein

incipality of Liechtenstein) Furstentum chtenstein



apital: Vaduz; Other Large Cities: Sachaan; rea: 160 sq.km; Population: 33,987; Lanuages: German; Religions: Roman Catholic-6.2%, Protestant-7%, unknown-10.6%, others-6.2%; Literacy: 100%; Life Expectancy: 79.68; Currency: Swiss Franc (\$1=1.232); p.c.i: \$ 25,000; Date of Independence: 23rd January, 1719.

Government Type: Hereditary Constitutional Monarchy; Head of State: Prince Hans Adam II; PM: Ottmar Hassler.

History: Liechtenstein is a small state on the upper Rhine, between Austria and Switzerland. It measures 24 km from north to south and 9 km from east to west. It became an independent kingdom in 1866.

Foreign workers comprise a third of the population: Many international corporations have headquarters in Liechtenstein.

The country has remained neutral and undamaged in all European wars since 1868, when the army was abolished. In 1984, male voters granted women the right to vote.

Economy: The economy is mainly industrial. Cattle-rearing is highly developed. The country's farming population has gone down from 70% to 2% in about 60 years. Chief industries are machines and tools, textiles, foodstuffs, leather-ware, chemicals, furniture and ceramics.

102. Lithuania

(Republic of Lithuania) Lietuvos Respublika



Capital: Vilnius (Vilna); Other Large Cities: Kaunas, Maipeda; Area: 65,200 sq.km; Population: 3,585,506; Languages: Lithuanian; Peligions: Roman Catholic (primarily), Lutheran, Russian Orthodox, Protestant, Evangelical Christian Baptist, Muslim, Jewish; Literacy: 99.6%; Life Expectancy: 74.2; Currency: Litas (\$1=2.73); p.c.i: \$ 13,700; Date of Independence: 11th March, 1990.

Government Type: Parliamentary Democracy; President: Valdas Adamkus; PM: Zigmantas 8alcytis.

History: Lithuania seceded from Soviet Union and attained independence in August, 1991. Earlier in March 1990, Lithuania had formally declared its independence but USSR defeated it by cutting off supplies and by other manoeuvres. It is bordered by Latvia, Belarus, Poland and Russia.

Russia withdrew its last soldier from Lithuania on Aug. 31, 1993.

The country, which was mainly agricultural before 1940, has been considerably industrialised since. There is a privatisation programme. 8y Jan. '95, 5100 former state enterprises had been sold.

Economy: Agriculture: Grain, potatoes, sugar-beet, vegetables, meat, milk and eggs. Natural resources: Forests cover 1,554,000 hectares, 70% of which consist of conifers, especially pines. Peat reserves total 4,000 m.cu. metres. Industry: Heavy engineering, ship-building, building material industries, electronic goods, chemicals, paper, leather, sugar and garments.

Mission in India: Hon. Consulate of the Republic of Lithuania, Mohan House, Zamrudpur Community Centre, Kailash Colony Extn., New Delhi-110 048, Tel: 26433135; Fax: 26460191.

103. Luxembourg

(Grand Duchy of Luxembourg) Grand-Duche de Luxembourg

Capital: Luxembourg; Other Large Cities: Petange, Sanem; Area: 25B6 sq. km.; Population: 474,413; Languages: French, German, English and Luxembourgish; Rellglons: Roman Catholic-87%, Protestants, Jews and Muslims-13%; Literacy: 100%; Life Expect-

ancy: 78.89; Currency: Euro (\$1=0.79); p.c.l: \$55,600; Date of Independence: 1839.

Government Type: Constitutional Monarchy; Head of State: Grand Duke Henri; Head of Govt.: Jean-Claude Juncker.

History: Luxembourg is a small state lying in between Germany, Belgium and France. It is a Grand Duchy.

Its independence was confirmed by the Treaty of London in 1867. Luxembourg is a member of the European Union.

Economy: A member of the European Economic Community, the Benelux, the European Steel and Coal Community and the Euratom, Luxembourg is a highly industrialised state. Its iron deposits form the basis of a big steel industry, which accounts for 70 per cent of the country's exports. Other industries: Chemicals, beer, tires, tobacco, metal products, cement. Agriculture occupies only 10 per cent of the population. Chief crops: Corn, wine and dairy products.

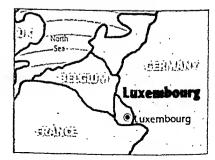
Recent Events: Luxembourg voted by 57% to 43% to approve the EU constitution.

Mission in India: Embassy of the Grand Duchy of Luxembourg, 730, Gadaipur Road, Branch Post Office Gadaipur, New Delhi-110030. Tel: 26801954. Fax: 26801971.

E-mail: paulsteinmetz@intemet.lu Indlan Mission in Luxembourg: Honorary Consulate General of India, "Cabinet

d'Avocats" Jim Penning, 31, Grand-Rue, B.P.

282, L-2012, Luxembourg. Tel: 00-352-4738B6; Fax: 00-352-222584.



104. Macedonia

(Former Yugoslav Republic of Macedonia) Republika Makedonija



Lapital: Skopje; Other Large Cities: Bitola, etovo; Area: 25,713 sq. km.; Population: 2,050,554; Languages: Macedonian; Relijions: Macedonian Orthodox-64.7%, other Christian-0.37%, Muslim-33.3%, others-1%; Jiteracy: 96.1%; Life Expectancy: 73.97; Currency: Denar (\$1 =48.61); p.c.i: \$ 6,450; Date of Independence: 8th September, 1991.

Government Type: Parliamentary Democracy; President: Branko Crvenkovski; PM: Vlado Buckovski.

Ethnic breakdown: Macedonians - 65%; Albanians-22%; others (including Gypsies) -13%. A third of the population is believed to be Muslim and the rest Orthodox Christians.

History: Former Yugoslavia's poorest republic, Macedonia is land-locked and is bounded by Bulgaria, Greece, Albania and Yugoslavia. On September 8, 1991 it voted to declare independence but EC and US refused to give recognition owing to Greek objections to its use of the name Macedonia. Greeks say Macedonia's name implies territorial claims on the northern Greek province of Macedonia. Macedonia has adamantly opposed a name change. Claims to the historical Macedonian territory have long been a source of contention with Eulgaria and Greece.

Macedonia became the 181st member of the UN on April 8, 1993 under the temporary name 'the former Yugoslav republic of Macedonia', Yugoslavia and Macedonia esublished diplomatic ties in April, 1996.

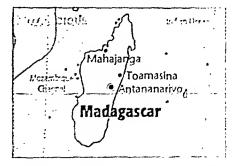
Macedonia's resources were under tremendous strain in 1999 on account of the flow of Kosovan refugees.

Economy: Agricultural products: Wheat, maize, cotton, timber, livestock. Industry: Electricity, lignite, steel, cement.

Recent Events: President Cryenkovski asked Nikolo Gruevski, leader of the centre-right VMRO-DPMNE party, to form a new government on 28 July, 2006.

105. Madagascar

(Democratic Republic of Madagascar) Repoblika Demokratika Malagasy



Capital: Antananarivo; Other Large Cities: Toamasina, Mahajanga; Area: 587,341 sq km; Population: 18,595,469; Languages: Malagasy and French; Religions: indigenous beliefs-52%, Christian-41% and Muslim-7%, Literacy: 68.9%; Life Expectancy: 57-34, Currency: Ariary (\$1 = 2173), p.c.i: \$ 900, Date of Independence: 267 June, 1960

Government Type: Republic, President: Marc Pavalomanana, PM: Jacques Sylla

History: Madagaszar, the world's fourthlargest island lies in the Indian Ocean, off the south-east roast of Africa. It was discovered in 1500 by the Portuguese Diego Diaz, became a French colony in 1896, and an Overseas Territory in 1946. In 1958, For proclaimed the autonomous Malagaci for public within the French Community and ina full independence on June 💥

Economy: The economy is essentially agricultural. Rice is the staple food and coffee the chief export (45%). Cassava, fruits, tobacco, cloves and vanilla are also cultivated. Large herds of cattle are raised. Mineral deposits include graphite, mica, nickel and copper. World Bank reckons that half the population is mal-

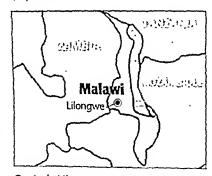
Indian Mission in Madagascar: Embassy of India, 4, Lalana Rajaonson Emile, Tsaralalanaa, Post Box No. 1787, Antananarivo, Madagascar. Tel: 00-261-20-2233790, 2262729; Fax: 00-261-20-233790, 222729.

nourished. Industry: Food processing, textiles.

E-mail;indembmd@bow.dts.mg

106. Malawi

(Republic of Malawi)



Capital: Lilongwe; Other Large Cities: Blantyre, Mzuzu; Area: 118,784 sq.km; Population: 13,013,926; Languages: English, Chichewa, Lomwe, Yao; Religions: Protestant-55%, Roman Catholic-20%, Muslim-20%, indigenous beliefs-3%, others-2%; Literacy: 62.7%; Life Expectancy: 41.7; Currency: Kwacha (\$1=139.15); p.c.i: \$ 600; Date of

Government Type: Republic; Head of State & Govt. (President): Bingu wa Mutharika.

Independence: 6th July, 1964.

History: Malawi in south-east Africa is bounded by Tanzania, Mozambique and Zambia. Lake Malawi, formerly Lake Nyasa, the third largest lake in Africa, lies on its eastern side. This land of lakes and mountains has infinite beauty and is considered a tourists' paradise. Malawi, formerly the British protectorate Nyasaland, (until 1907 British Central Africa) became independent in 1964 and a republic in 1966.

Dr. Hastings Kamuzu Banda's (President since 1971) autocratic system was rejected by Malawians in 1994. President Muluzi was re-elected for a final five-year term in June, '99.

Economy: Poor in resources, Malawi's agriculture is still at subsistence level. Maize is the main food crop. The chief cash crops are tea, tobacco, sugar and cotton. Industry: Textiles, sugar and cement.

Mission in India: High Commission of the Republic of Malawi stationed at Nairobi.

Honorary Consulate of the Republic of Malawi, 40, Ashoka Avenue, Sainik Farm, Khanpur Gate, New Delhi-110 062. Tel: 26518527.

E-mail: stkilachand@vsnl.net

107. Malaysia



Capital: Kuala Lumpur; Other Large Cities: Pinang, Ipoh; Area: 330,434 sq.km; Population: 24,385,858; Languages: Malay, English, Chinese, Tamil; Religions: Muslim, Buddhist, Daoist, Hindu, Christian, Sikh, Note: in addition, Shamanism is practised in east Malaysia; Literacy: 88.7%; Life Expectancy: 72.5; Currency: Ringgit (\$1 = 3.64); p.c.l: \$ 12,100; Date of Independence: 31" August, 1957.

Government Type: Constitutional Monarchy; Supreme Head of State: King Tuanku Syed Sirajuddin Syed Putra Jamalullail; PM: Abdullah bin Ahmad Badawi

Malaysia, at the southern end of the Malay Peninsula in south-east Asia, is a federation of 13 states comprising Johor, Kedah, Kelantan, Melakaa, Negeri Sembilan, Pahang, Perak, Perlis, Pulau Pinang, Sabah, Sarawak, Selangor and Terengganu.

History: Malaysia was created in 1963. It luded Malaya, which had become indendent in 1957, plus the formerly-British gapore, Sabah and Sarawak, Singapore s separated in 1965.

Economy: Natural resources are abundant. Ilaysia is one of the world's largest producof rubber, tin and palm oil. Malaysia is also e world's leading exporter of pepper and iber. Other crops are rice, coconut, vegibles, pineapples, coffee, tea, cocoa, etc. Iron ore, gold, ilmenite and bauxite are the ajor mineral resources. The petroleum indusin Malaysia is becoming significantly imrtant to the economy of the nation. Leadj industries are food products, tobacco, and products, electrical goods, textiles, emical products, construction goods, nonetallic products, transport equipment and e processing of agricultural products from tates (eg. rubber, palm oil). Industrialisation is been speeded up with foreign investment. M. Dr. Mahathir is the chief architect of the untry's privatisation programme. Service intributes 48% of GDP.

'Peninsular Malaysia' comprises the 11 ates of Johor, Pahang, Negeri Sembilan, Hangor, Perak, Kedah, Perlis, Kelantan, engganu, Penang and Melaka.

Recent Events: In April 2006, Malaysia shelved ie construction of a controversial bridge to ingapore. The proposed link was the subject of dispute between the two countries.

Mission In India: High Commission for Maiysia, 50-M, Satya Marg, Chanakyapuri, New ^{)elhi} - 110021. Tel: 26111291-93 & '6111297; Fax: 91-11-26881538.

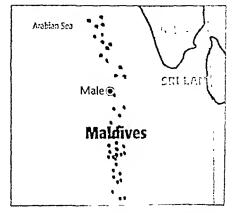
E-mail:mwndelhi@del2.vsnl.net.in

Indian Mission in Malaysia: High Commission of India, No.2, Jalan Taman Duta, Off Jian Duta, 50480 Kuala Lumpur, (cr) P.O. Box No. 10059 G.P.O., 50704, Kuala Lumpur. Tel: 00-603-2533504, 2533509, 2533510, 2433511; Fax: 00-603-2533507, 2525826.

E-mail: hoc@po.jaring.my / dhc002@po. jaring.my/ highcomm@po.jaring.my(H.C.)

108. Maldives

(Republic of the Maldives) Divedhi Raajjeyge **Jumburiya**



Capital: Male, Area: 298 sq km, Population: 359,008; Languages: Divehi (Sinhalese dialect); Religions: Sunny Muslim; Literacy: 97.2%; Life Expectancy: 64 41; Currency: Rufiya (\$1=12 8), p.c.i: \$ 3,900; Date of Independence: 26" July, 1965

Government Type: Republic; Head of State & Govt (President): Maumoon Abda' Gayoom

The Republic of Maldives lying about 675 km south-west of Sn Lanka, consists of than 1,200 small coral islands (159 must ited) grouped in 19 atolls, in the min Ocean

History: Mardines, called the 1000 lands until April 1969, form elected Suitan as head of

were placed under British protection, with internal self-government, in 1887. They became a republic in January 1953 but the sultanate was restored in February 1954. Maldives became fully independent, outside the Commonwealth, on 26 July 1965. Following a referendum, the country became a republic again in November 1968, with Ibrahim Nasir, Prime Minister since 1954, as President.

In 1956 the Maldivian and British Governments agreed to the establishment of a Royal Air Force staging post on Gan, an island in the southermost atoll, Addu. In 1975 the British Government's decision to close the base and to evacuate British forces created a large commercial and military gap. In October 1977 President Nasir rejected an offer of an annual payment of US \$ 1 m. from the USSR to lease the former base on Gan, announcing that he would not lease the island for military purposes, nor lease it to a superpower.

In 1981 the President announced plans to establish an international business complex on Gan. By 1982 two garment factories were operational, and a third was under construction. Gan airport was declared international airport in 1988.

In March 1975 President Nasir dismissed the Prime Minister, Ahmed Zaki, and the post of Prime Minister was abolished. Maumoon Abdul Gayoom, Minister of Transport became President in November 1978.

An attempted coup took place in November, 1988. It was scotched with assistance from India.

Government: Legislative power is held by the unicameral Citizens' Council (Majilis), with 4B members. The country has 20 administrative districts. There are no political parties. Maldives is divided into the capital and 19 other administrative districts, each under an appointed governor (verin) assisted by local chiefs (katheeburn), who are also appointed.

Economy: Most of the country's population live on tiny coral islands in scattered atolls. These islanders are generally outside a money economy, subsisting by fishing and collecting coconuts. Arable land is minimal. Virtually all the principal staple foods have to be imported.

The islands are covered with coconut palms and yield millet, cassava, yams, melons and other tropical fruit as well as coconut produce. The main industries are fishing, tourism, shipping, reedware, lacquer-work, coconut processing and garment manufacturing. The GDP has grown at an annual rate of around 6% from 1992-93, fuelled mainly by an expansion and growth of tourism industry (an average of 10% annually) and the modernisation of the fishenes sector. 8onito ('Maldive fish') is the main export commodity and source of foreign exchange after tourism, White sandy beaches and multi-coloured coral formations are chief tourist attractions.

Mission in India: High Commission for Maldives stationed at Colombo.

Honorary Consulate of the Republic of Maldives, 702-703, Deepall Building, 92, Nehru Place, New Delhi-110 019. Tel: +91-11 26229336; Fax: +91 11 264B1352.

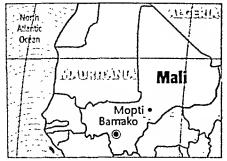
E-mail: ashishs7B@yahoo.com

Indian Mission in Maldives: High Commission of India, Athireege Aage, Ameeru Ahmed Magu, Henveiru, Male, Republic of Maldives. Tel: 00-960-323014/16; Fax: 00-960-324778.

E-mail:hicomal1@dhivehinet.net.mv

109. Mali

(Republic of Mali) Republique due Mali Capital: Bamako; Other Large Citles: Segou, Mopti; Area: 1,240,192 sq.km; Population: 11,716,829; Languages: French (official), Bambara and other African languages; Religlons: Muslim-90%, indigenous beliefs-9%, Christian-1%: Literacy: 46,4%: Life Expect-



ancy:49; Currency: CFA Franc (\$1=518.98); p.c.l: \$1,200; Date of Independence: 22nd September, 1960.

Government Type: Republic; President: Amadou Toumani Toure; PM: Ousmane Issoufi Maiga.

History: Mali is a land-locked state in West Africa. It was proclaimed an independent republic in 1960.

The area was part of the great Mali Empire, until the 15th century. In 1904, it became a French colony named French Sudan and in 1946 part of the French Union. In June 1960 it became independent and was named the Sudanese Republic. The Sudanese Republic federated with Senegal in the Mali Federation that year. Senegal then withdrew from this and the Sudanese Republic changed its name to the Republic of Mali on Sept. 22, 1960. Amadou Toumani Traore was in power from 1968 to 1991.

Agreements were signed with Tuareg insurgents in the north in '91, '92 and '94. A special administration for the Tuareg north was provided in 1992.

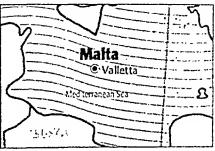
In Jan. '99, ex-President Traore was condemned to death for economic crimes.

Economy: The country is poor in natural resources. Only about 20 per cent of the land is cultivable. The main crops are rice, millet, groundnuts and cotton. Livestock-raising is important and the processing of hides and skins remains the chief industry. There is extensive river-fishing and good export trade in dried and smoked fish.

Recent Events: In May 2006, visiting French Interior Minister Nicolas Sarkozy faced a hostile reception from protesters accusing him of racism over the tough immigration bill he introduced in parliament. In June, the government signed an Algerian-brokered peace deal with Tuareg rebels seeking greater autonomy for their northern desert region.

110. Malta

(Republika Ta' Malta)



Capital: Valletta; Other Large Cities: Birkirkara, Harum and Sliemma; Area: 316 sq. km; Population: 400,214; Languages: Maltese and English; Religions: Roman Catholic-98%; Literacy: 92.8%; Life Expectancy: 79.01; Currency: Maltese Lira (\$1=0.339); p.c.l: \$ 19,900; Date of Independence: 21" September, 1964.

Government Type: Republic; President: Eddie Fenech Adami; PM: Lawrence Gonza

History: Malta is an island in the central Mediterranean Sea, 95 km from Sicily and about 290 km from the African coast. This state also includes the adjoining islands of Gozo and Comino. Malta became independent in 1964 and a republic in 1974. Malta joined the European Union on May 1, 2004.

Economy: The rocky country has no natural resources Textiles, footwear, rubber productions ucts and plastics are exported. Ship repared ship building are major economic att Agricultural products include wheat 💝 citrus, onions, potatoes and to

ism, however, remains the island's major industry.

Mission in India: High Commission for Malta stationed at Malta .

Honorary Consulate of the Republic of Malta. 1, Hailey Road, New Delhi-110 001. Tel: 23329090; Fax: 23329393.

E-mail: maltaconsulate@europemail.com Web: www.kathpalia.org/malta

Indian Mission in Malta: High Commission of India, Regional Road, St. Julianas, SGN 02, Malta. Tel: 00-356-344302/03; Fax: 00-356-344259.

E-mail:hcimalta@mail.link.net.mt

111. Marshall Islands

(Republic of the Marshall Islands)



Capital: Dalap-Uliga-Darrit (on Majuro atoll); Area: 181 sq.km; Population: 60,422; Languages: Marshallese, English, other indigenous languages and Japanese; Religions: Christian (Mostly Protestant); Literacy: 93.7%; Life Expectancy: 70.31; Currency: Dollar (US); p.c.l: \$ 2,300; Date of Independence: 21st October, 1986.

Government Type: Republic; President: Kessai Note.

History: The Republic of Marshall Islands consists of two island/atoll chains, in the Pacific Ocean, the Ratak (sunrise) Chain and the Ralik (sunset) Chain, totalling 31 atolls. Each atoll is a cluster of several small islands circling a lagoon. Kwajalein is the largest of the islets, which number about a hundred.

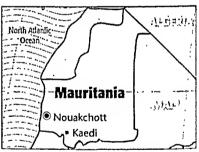
The capital Majuro is about 3200 kms southwest of Honolulu. About 92% of the population are Marshallese, a Micronesian people.

Marshall Islands was a Trusteeship temtory of the United States until Oct. 1986. The Islands became a full U.N. member state in Sept., 1991. The USA controls defence policy and provides financial support. Kwajalein, one of the main atolls in the western chain, is a U.S. missile-testing range and air field.

Economy: Agriculture and tourism are mainstays. Crops: Coconuts, tomatoes, melons and bread fruit. Minerals: Phosphate deposits are mined on Ailinglaplap atoll.

112. Mauritania

(Islamic Republic of Mauritania) Republi-que Islamique de Mauritanie



Capital: Nouakchott; Other Large Cities: Nouadhibou, Kaedi; Area: 1,030,700 sq.km; Population: 3,177,388; Languages: Arabic, French and Hassanya Arabic, Wolof, Pulaar, and Soninke; Religions: Muslim-100%; Literacy: 41.7%; Life Expectancy: 53.12; Currency: Ouguiya (\$1=271.3); p.c.l: \$ 2,200; Date of Independence: 28th November, 1960.

Government Type: Islamic Republic; President: Col.Ely Ould Mohamed Vall; PM: Sidi Mohamed Ould Boubakar.

History:: The Islamic Republic of Mauritania is on the Atlantic coast of the West African bulge.

This former French overseas territory became autonomous in 1958 and fully independent on Nov. 28, 1960. Opposition parties were legalised and a new constitution approved in 1991.

Mauritania signed a peace treaty with the Polisario Front in 1980, and renounced sovereignty over its share of Wesern Sahara.

Economy: As much as 47% of the total area of the country is desert. The population is traditionally nomadic, rearing cattle and sheep. Main crops: dates, grain. Fishing is important. Deposits of iron and copper are being exploited. Oil prospecting is going on. Industry: Fish processing and iron mining.

Recent Events: Soldiers overthrew Mauritania's president, Maaouiya Ould Sid Ahmed Taya, who had been attending King Fahd's funeral, and set up a military council to end what is called a "military regime".

113. Mauritius

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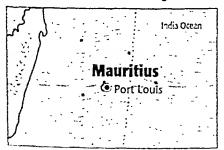
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Capital: Port Louis; Other Large Cities:



Curepipe, Quatre Bornes; Area: 2040 sq.km; Population: 1,240,827; Languages: English, French, Creole and Hindustani; Religions: Hindu-52%, Christian-28.3% (Raman Catholic-26%, Protestant-2.3%), Muslim-16.6%, others-3.1%; Literacy: 85.6%; Life Expectancy: 72.63; Currency: Rupee (\$1=30.78); p.c.l: \$ 13,100; Date of Independence: 12th March, 1968.

Government Type: Parliamentary Democ-

racy; President: Anerood Jugnauth; PM: Navichandra Ramgoolam.

History: Mauritius, a volcanic island nearly surrounded by coral reefs, lies about 800 km east of Madagascar in the Indian Ocean. Settled by the Dutch in 1638. The French who took over in 1721, brought African slaves. The British who ruled from 1810 to 1968 brought Indian workers for the sugar plantations. The Indian majority in Mauritius are descendants of these workers. Ethnic groups: Indo-Mauritian 68%, Creole 27%.

Became an independent state on Mar. 12, 1968. Formally severed its association with the British crown and became a republic in 1992.

About 37,000 people live in Rodrigues, a small dependency.

Economy: Sugarcane is the predominant crop. The main secondary crops are tea, tobacco and potatoes. Tourism is a highly developed industry. (500,000 tourists a year). Other industries: rum, textiles, processing of sugar and tea. Mauritius is one of world's leading exporters of woollen knitwear.

Recent Events: In April 2006, one hundred former residents of the Chagos Archipelagoclaimed by Mauritius - made a return visit nearly 40 years after being evicted by Britain to make way for a US military base on the island of Diego Garcia. Their legal battle with Britain continues.

Mission In India: Mauritius High Commission, EP-41 Jesus & Mary Marg, Chanakyapuri, New Delhi 110021 Tel- 2410 2161-63; Fax:2410 2194

F-mail:mhcnd@bol net in

Indian Mission In Mauritius: High Commission of India, 6th Floor, Life Insurance Corporation of India Building, President John Kemmedy Street P O Box No. 162, Port Louis, Mauritius. Tel. 00-230-2083775/6, 2080031, Fax: 00-230-2086859, 2088891.

E-mail:hicombc@bow.intnet.m

114. Mexico

(United Mexican States) Estados Unidos Mexicanos



Capital: Mexico City; Other Large Cities: Monterrey, Puebla; Area: 1,972,547 sq.km; Population: 107,449,525; Languages: Spanish, Amerindian languages; Religions: Nominally Roman Catholic-89%, Protestant-6%, others-5%; Literacy: 92.2%; Life Expectancy: 72.63; Currency: New Peso (\$1=11.40) (Controlled rate); p.c.l: \$ 10,000; Date of Independence: 24th September, 1821.

Government Type: Federal Republic; President & PM: Vicente Fox Quesada.

History: A federal republic of middle America, Mexico became an independent state in 1821 and a republic in 1823.

Mexico is the only Latin American country not to have a military coup in the post-war period.

Guerrillas of the Zapatista National Liberation Army launched an uprising on Jan.1, '94 in southern Mexico. A tentative peace accord was reached in March.

Economy: Mexico is not well suited for agriculture so it is obliged to import food. The important agricultural products are maize, rice, wheat, sugar, coffee and cotton. Sea fishing is also important as an occupation. Mexico is the world's leading producer of silver, sulphur and fluorite. Other minerals include coal, zinc, lead, manganese, bauxite and uranium. In recent years, Mexico has become one of the main producers and exporters of petroleum. Main industries: Steel, chemicals, electric goods, textiles, rubber, tourism. In the 1980's Mexico experienced a major economic crisis resulting from inflation, collapse of oil prices and severe unemployment. The devaluation of the peso in 1994 sparked an exodus of capital. A collapse of the currency was prevented by pledges of U.S aid and an austerity plan.

Institutional Revolutionary Party (PRI) was defeated for the first time in 71 years in July, 2000, and Vicente Fox, the Opposition candidate was elected president.

Recent Events: In February 2006, a federal post of special prosecutor was created to tackle violent crime against women. Mexico had been criticised by the UN and rights groups over the unsolved murders of more than 300 women over 12 years in the border city of Ciudad Juarez. In July, conservative candidate Felipe Calderon was declared the winner of presidential elections with a razorthin majority over his leftist rival, Andres Manuel Lopez Obrador. Obrador challenged the result with mass street protests.

Mission In India: Embassy of Mexico, 26-D, Sardar Patel Marg, Chanakyapuri, New Delhi-110 021. Tel: 24107182-83; Fax: 91-11-24107185.

e-mail:embamexindia@mantra online.com; Web: www.embamexindia.org

Indian Mission in Mexico: Embassy of India, Avenida Musset 325, Colonia Polanco, C.P. 11550, Mexico D.F. Tel: 00-525-5311050; Fax: 00-525-2542349.

E-mail:indembmx@prodigy.net.mx

115. Micronesia

(Federated States of Micronesia)

Capital: Palikir; Other Large Cities: Weno, Tofol; Area: 702 sq.km.; Population: 108,004; Languages: English and local languages; Religions: Roman Catholic-50%, Protestant-47%; Literacy: 89%; Life Expectancy: 70.05;

Currency: US Dollar; p.c.i: \$ 3,900; Date of Independence: 3rd November, 1986.

Government Type: Constitutional Government; President: Joseph J. Urusemal

History: The Federated States of Micronesia (FSM), formerly known as Caroline Islands, extends across the 1,800 mile-long Caroline Island archipelago in the Western Pacific. The 4 states of the FSM are Pohnpei, Kosrae, Truk and Yap. Each state consists of several islands, except for Kosrae, a single island. The Islands, 607 in all, vary geologically from high, mountainous islands to low, coral atolls.

The FSM, which came into being on May 10, 1979 was a Trusteeship Territory of the United States. In November 1986 USA entered into a Compact of Free Association with it. Became a full UN member state on Sept. 17, 1991. The USA controls defence and provides financial support.

Economy: Crops: Tropical fruits, vegetables, etc. Industry: Tourism and fishing.

Mission In India: Embassy of the Federated State of Micronesia stationed at Tokyo.

116. Moldova

(Republic of Moldova) Republica Moldaveneasca

Capital: Chisinauformedy Kishinevy; Other of Large Gries: Trasport, Beltoy; Areas 33,710; sq lm.; Population: 4,466,716; Languages, Romanian, Ukrainian; Bellgions: Eastern Orthodoxigan, Jewior 1546, Babbot and others; Chisinappi 96,134; Life Eroectanges, Chisinappi 96,134; Life Eroectanges



65.65; Currency: The Leu (\$1=13.375); p.c.l: \$ 1,800; Date of Independence: 27th August, 1991.

Government Type: Republic; President: Valdimir Voronin; PM: Vasile Tarley.

History: A former Soviet republic that became independent in Dec., 1991

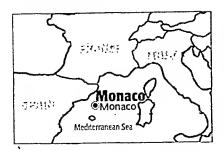
Moldova (Moldavia until 1990) has Ukraine and Romania as neighbours. The region was taken from Romania in 1940, the people speak Romanian. In a referendum in March, 1994, Moldovans voted to remain independent, and against any union with Romania. Moldova is a fertile black earth plain. It contained about one-fourth of the former USSR's vineyards.

In May, 197, leaders of Moldova and a break-laway region Transdistria (which approved a separatist constitution in 1995) signed an agreement to knep Moldova a single state.

Economy agriculture Grain, sugardice, vegetables must, grapes Industry, White making, topacis, carring, woodeworking, textiles metallurgy dairy, TV, flodge, wasting macrines.

117. Monaco

Principally of Monaco,
Capital Monaco, Other large Cless
Caro Area: 90 octor; Popularia
Languages Princip, Monages
an Religions; Popularia
3574 Life Emergancy



(\$1=0.79); p.c.i: \$ 27,000; Date of Independence: 1419

Government Type: Constitutional Monarchy; Head of State: Prince Albert II; Head of Govt: Jean-Paul Proust.

History: Monaco is a sovereign principality on France's south-eastern Mediterranean coast. Of the resident population, 40% are French, 17% Italian and 5% British. Monaco is a member of the U.N.

Economy: The principality is a series of connected towns-Monaco-Ville, La Condamine, Fontvielle and Monte Carlo with its casinos, opera house, grand hotels, shops and villas.

Monaco is a fashionable pleasure resort visited by as many as 1.5 million tourists every year. Its main attractions are the casinos and its international motor sports—the Monte Carlo Rally and the Monaco Grand Prix. Tourism, gambling, and tobacco monopoly are its main sources of income.

There are a number of light industries, such as chemicals, plastics and precision instruments. There were 43 km.of roads in 1995. There is one policeman for every 60 residents.

Recent Events: Prince Rainier III passed away. Mission In India: Hon. Consulate General of Monaco, DLF Centre, 9th Floor, Sansad Marg, New Delhi-110 001.Tel: 23719202-04 Fax: 23719233.

118. Mongolia

(Mongolian Republic) Mongol Uls Capital: Ulan Bator; Other Large Cities: Darhan, Erdenet; Area: 1,565,000 sq.km; Population: 2,832,224; Languages: Mongolian; Religions: Tibetan Buddhist Lamaism-96%, Muslim (primarily in the south-west), Shamanism and Christian-4%; Literacy: 97.8%; Life Expectancy: 64.89; Currency: Tugnik (\$1≈1,170); p.c.i: \$ 1,900; Date of Independence: 11th July, 1921.

Government Type: Parliamentary; President: Nambaryn Enkhbayar; PM: Miegombyn Enkhbold.

History: The Mongolian People's Republic, formerly known as Outer Mongolia, lies in Central Asia with Russia to the north and China to the south, east and west. It is one of the world's oldest countries. Much of the Gobi desert falls within Mongolia. The great Mongol warrior Genghis Khan (1162-1227) founded the Mongol world empire. It became an independent state in 1921. Political opposition was legalised in 1990. In July, Communists won, the first free elections to the legislature. The constitution of 1992 abolished the 'People's Democracy', Introduced democratic institutions and a market economy and guaranteed freedom of speech. The second free election in 1996 resulted in the defeat of the Communist Party which had ruled Mongolia for over 70 years. A reformist democratic coalition (with 50 seats in the 76seat Great Hural) came to power.

Economy: Mongolia has been changed from a nomadic culture to one of settled agriculture and growing industries with aid from former USSR and East European nations. Live-



stock-raising is the principal occupation and comprises horses, oxen, sheep, goats and camels. The herdsmen are organised in collectives. State farms practise large-scale agriculture (crops: grains). Minerals include coal. flourspar, tungsten, tin and copper. Industry: Food processing, textiles, chemicals and cement.

Mongolia won admission to the World Trade Organisation in July, 1996-the first transition economy of the old Soviet bloc to join the body as a new member.

Mongolia's former communist rulers won a landslide victory in Parliamentary elections in July, 2000.

Recent Events: In January 2006, coalition government headed by Tsakhiagiin Elbegdorj fell after the MPRP pulled out, blaming the leadership for slow economic growth.

Mission in India: Embassy of Mongolia, 34, Archbishop Makarios Marg, New Delhi-110003. Tel: 24631728, 24617989; Fax: 91-11-24633240. E-mail:mongemb@vsnl.net

Web: mongemb.com

Indian Mission in Mongolia: Embassy of India, Zaluuchuudyn Urgun Chuluu 10, C.P.O. Box No. 691, Ulaanbaatar -13, Mongolia. Tel: 00-976-1-329522/24/28: Fax: 00-976-1-329532.

E-mail:indembmongolia@magicnet.mn

119. Montenegro

Capital: Podgorica (administrative capital); Cetinje (capital city); Other Large Cities:



Ulcinj, Tivat, Kolasin; Area: 14,026 sq.km; Population: 630,548; Languages: Serbian (ljekavian dialect - official); Religions: Orthodox, Muslim, Roman Catholic; Literacy: 97%; Life Expectancy: 73; Currency: Euro; p.c.i: \$ 2,200; Date of Independence: 3rd June 2006.

Government Type: Republic; President: Filip Vujanovic; PM: Milo Djukanovic.

History: Montenegro, the world's newest nation, declared its indepedence on June 3, 2006. The country got its name (literally, "black mountain") from the dark mountain forests that cover the land. Some 60 per cent of the country is more than 1,000 metres high, with the tallest peak reaching to 2,522 metres. The mountains were a natural fortress that helped Montenegro maintain its independence until it suffered devastating losses in World War I. It became part of Serbia in 1918 and Yugoslavia in 1929.

The people of Montenegro gained greater autonomy when the name Yugoslavia was discarded in favour of a democratic and federal country named Serbia and Montenegro. On May 21, 2006, 66.6 per cent of Montenegro voted to secede from Serbia and become independent.

Economy: The economy of Montenegro is based on agriculture and animal husbandry. Important crops include cereals, tobacco, vegetables, grapes, figs and olives. The main industries are lumber milling, salt processing and tobacco processing.

Recent Events: In January 2006, at least 44 people died and nearly 200 were injured when a passenger train crashed into a ravine in Southern Montenegro. In May, Montenegro held independence referendum. Just over required \$5% of voters said yes. In June, Montenearo declared independence. Serbia responded by declaring itself the independent sovereign successor state to the Union of Serbia and Montariegro,

120. Morocco

(Kingdom of Morocco) al-Mamlaka al-Maghrebia



Capital: Rabat; Other Large Cities: Fez, Marrakech; Area: 458,730 sq.km (excluding Western Saharan territory); Population: 33,241,259; Languages: Arabic, Berber; Religions: Muslim-98.7%, Christian-1.1%, Jewish-0.2%; Literacy: 51.7%; Life Expectancy: 70.94; Currency: Dirham (\$1=8.75); p.c.i: \$4,200; Date of Independence: 2nd March, 1956.

Government Type: Constitutional Monarchy; Head of State: King Mohammed VI; PM: Driss lettou.

History: The Kingdom of Morocco, which is a constitutional monarchy, is situated at the extreme northwest of Africa. The Atlas mountains stretch across Morocco.

Morocco recovered its political independence from France on March 2, 1956. The northern strip of Spanish Sahara was ceded by Spain in 1958, and in 1969, the former Spanish province of Ifni was returned to Morocco. In 1976, Morocco added 70,000 sq.km. of phosphate-rich land of former Spanish Sahara to its area.

Economy: Primarily an agricultural country, Morocco produces cereals, including barley, wheat, corn and fruits. Vineyards are abundant and dates form a regular crop. Livestock raising is important and fishing is well-developed. About 500,000 Moroccans rely on fishing as their occupation. The most

which Morocco remains a world supplier. Other minerals are iron ore, coal, lead and manganese. Industry: Carpets, clothing, leather goods, mining, sugar, metallurgy, chemicals and tourism. Its foreign debt has made Morocco one of the most indebted countries in the world.

The dispute with Spain on the tiny island Perejil caused some tension in July but it subsided. King Mohammed VI married commoner and computer engineer Salma Bennami in July.

Mission In India: Embassy of the Kingdom of Morocco, 33 Archbishop Makarios Marg, New Delhi-110003. Tel: 24636920/21 & 24636924 (Visa); Fax: 24636925.

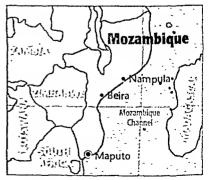
E-mail: sifamand@giasdl01.vsnl.net.in
Web: www.moroccoembindia.com

Indian Mission in Morocco: Embassy of India, 13, Charia Michlifen, Agdal, Rabat, Morocco. Tel: 00-212-3-7671339, 7675974/5; Fax: 00-212-3-7671269.

E-mail: india@maghrebnet.net.ma

121. Mozambique

(Republic of Mozambique) Republica de Mocambique .



Capital: Maputo; Other Large Cities: Beira,

Bantu; Religions: Catholic-23.8%, Zionist Christian-17.5%, Muslim-17.8%, other-17.8%, none-23.1%; Literacy: 47.8%; Life Expectancy: 39.8; Currency: Metical (\$1=25733.7); p.c.i: \$ 1,200; Date of Independence: 25th June, 1975.

Government Type: Republic; President: Armando Guebuza; PM: Luisa Diogo.

History: Mozambique is the old Portuguese East Africa. Became independent on June 25, 1975, after 470 years of Portuguese colonial rule. Mozambique Channel of the Indian Ocean bounds it in the east. The majority of the population belongs to the Bantu tribe. The Zambezi is the largest of the 25 rivers that flow into the Indian Ocean.

In 1974, Frelimo (Front for the Liberation of Mozambique) took over local administration. The 1980's witnessed severe drought, famine, civil war and heavy loss of life. According to a study by Washington-based Population Crisis Committee, Mozambique was the place with the highest human suffering in 1992.

Agreement was reached in Oct. '92 between government and the rightist Renamo (Mozambican National Resistance Movement) guerilla group for a ceasefire in their 15-year war, which killed more than 600,000, drove 1 million people into exile and left half the population in need of donated food. The treaty provided for all weapons to be handed over to UN. The UN presence ended in Jan. '95. Elections took place in 1994.

Economy: The economy is based on agriculture. The major cash crops are cashewnuts, sugar, cotton and sisal. Maize, bananas, rice, groundnuts, vegetables and coconuts are also grown. Considerable mineral resources exist although only coal, diamonds and bauxite are now exploited. Mozambique has two-thirds of the world's known reserves of tantalite and is the second largest producer of beryl. Industry: Steel, cement, engineering, textiles and petroleum products.

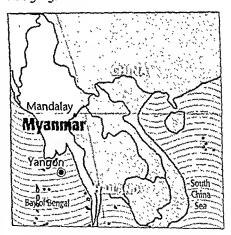
Missions in India: High Commission of the Republic of Mozambique, B-3/24, Vasant Vihar, New Delhi - 110057. Tel: 26156663/ 4; Fax: 26156665;

E-mail: hcmozind@hclinfinet.com Indian Mission in Mozambique: High Commission of India, Avineda Kenneth Kaunda No. 167, P.O. Box No. 4751, Maputo, Mozambique. Tel: 00-258-1-492437, 490717; Fax: 00-258-1-492364.

E-mail:hcimpto@hcoi.uem.mz

122. Myanmar

(Union of Myanmar) Pyeidaungzu Myanma Naingangandaw



Capital: Seat of government moving to Naypyidaw, also known as Pyinmana, from Rangoon (Yangon); Other Large Cities: Mandalay, Bassein; Area: 676,553 sq.km; Population: 47,382,633; Languages: Burmese, Karen, Shan; Religions: Buddhist-89%, Christian-4% (Baptist-3%, Roman Catholic-1%), Muslim-4%, animist-1%, others-2%; Literacy: 85.3%; Life Expectancy: 60.97; Currency: Kyat. (\$1 ≈6.42) p.c.i: \$ 1,700; Date of Independence: 4th January, 1948.

Government Type: Military Regime; President: Gen. Than Shwe; PM: Gen. Soe Win.

Union of Myanmar (Burma till May 1989) located between south and south-East Asia, on Bay of Bengal, became an independent country on January 4, 1948.

Gen. Ne Win who ruled Burma with an iron hand for 26 years was forced out in popular uprising in mid-1988. The Armed Forces set up a State Law and Order Restoration council (SLORC). In June 1990, in the first free elections in 30 years, the National League for Democracy won by a big majority but the army was reluctant to hand over power. Aung San Suu Kyi, the leading opposition leader and winner of Nobel Peace Prize, was kept under house arrest from 1989 to '95. The ruling junta has been promising a new Constitution for nearly seven years now but nothing concrete has emerged. Suu Kyi's activities are restricted by the government.

In 1987 UN bestowed the least developed country status on 8urma, which was once the richest nation in SE Asia.

Myanmar joined the regional group BISTEC (8angladesh, India, Sri Lanka, Thailand Economic Cooperation) in July '97, which then became 8IMSTEC. In July, '97 ASEAN admitted Myanmar as a member.

Economy: Known as the "rice bowl of the Far East", Myanmar also grows sugarcane, peanuts, and beans. The chief minerals are petroleum, lead, tin, zinc, tungsten, copper, antimony, silver and gems. The rubies, sapphires and jade found in Myanmar are especially famous. Teakwood is exported.

Recent Events: Aung San Suu Kyi tumed 60.
UN called for her release Former Prime Minister Khin Nyunt received a 44-year suspended sentence after being convicted on eight charges including bribery and corruption.

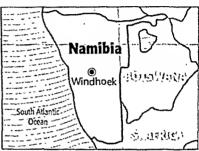
Mission In India: Embassy of the Union of Myanmar, 3/50F, Nyaya Marg, Chanakyapuri, New Delhi-110021. Tel: 26889007-08; Telefax: 26877942.

E-mail:myadeli@nda.vsnl.net.in Web: myandel.com

Indian Mission in Myanmar: Embassy of India, No. 545-547, Merchant Street, Post 8ox No. 751, Yangon, Myanmar. Tel: 00-95-1-240633, 243972, 282552; Fax: 00-95-1-254086/ 250164.

123. Namibia

Capital: Windhoek; Area: 826,700 sq.km;



Population: 2,044,147; Languages: English, Afrikaans, German, several indigenous languages; Religions: Christian-80-90% (at least Lutheran), Indigenous beliefs-10-20%; Literacy: 84%; Life Expectancy: 43.39; Currency: Dollar (\$1=6.846); p.c.l: \$7,000; Date of Independence: 21st March, 1990.

Government Type: Republic; President: Hifikepunye Pohamba; PM: Nahas Angula.

History: Namibia, formerly known as South West Africa, lies on the Atlantic coast of South Africa. After prolonged insurgency a peace accord was signed on 5th October, 1988 by Angola, Cuba and South Africa, and Namibia became a fully independent nation under the UN mandate on 21 March, 1990. The first general elections for a Constituent Assembly were held in November 1989 when SWAPO (South West Africa People's Organisation) which spearheaded the freedom struggle for 30 years was swept to power.

Walvis Bay and the off-shore islands were transferred to Namibian sovereignty on Feb. 28, 1994.

Economy: Diamonds are Namibia's most

able economic asset followed by copper, ium, zinc, lead, germanium and manese. Stock-breeding is important; cattle, ep and goats abound. Fishing is a suppleitary source of food and income. Food os include corn, millet and sorghum. Intry: Canning, textiles, leather, dairy. GDP major sectors: agriculture: 11%, industry %, and services 61%.

Population growth rate is 3% per annum. e country has a wide variety of tourist atictions mainly in the form of spectacular enery and wildlife reserves. Walvis Bay and ideritz are the two harbours.

Recent Events: In June 2006, a national nti-polio vaccination campaign was runched following the death of at least 12 eople from the disease.

Mission in India: High Commission of the tepublic of Namibia, A-2/6, Vasant Vihar, New Delhi-110057; Tel: 26140389/0890/ 4772; Fax:26146120/26155482;

E-mail:nhcdelhi@del2.vsnl.net.in

Consulate: Mumbai: Tel:56657272/ 56658027, Fax:56658028.

E-mail:syamalgupta@tata.com

Indlan Mission in Namibia: High Commission of India, 97, Nelson Mandela House, P.O. Box 1209, Windhoek, 9000, Namibia. Tel: 00-264-61-226037, 228433; Fax: 00-264-61-237320.

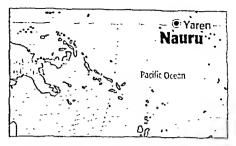
E-mail:hicomind@mweb.com.na

124. Nauru

(Republic of Nauru) Naoero

Capital: Yaren district; Area: 21.1 sq.km; Population: 13,287; Languages: English and Nauruan; Religions: Christian (two-thirds Protestant, one-third Roman Catholic); Life Expectancy: 63.08; Currency: Australian Dollar (\$1=1.35446); p.c.l: \$ 5,000; Date of In-🤲 dependence: 31st January, 1968.

Government Type: Republic; Head of State & Govt (President): Ludwig Scotty.



History: Nauru, a small coral island in the central Pacific, just 42 km. south of the equator is world's smallest republic. It is an ovalshaped coral island of approximately 20 km in length, surrounded by a reef which is exposed at low tide. Nauru became a republic on Jan. 31, 1968. It has an 18-member Parliament, elected on a 3-yearly basis.

About four-fifths of Nauru is phosphatebearing rock, which accounts for 98% of its exports. It is estimated that the phosphate deposits will be exhausted by 2008.

The world's smallest democracy once had one of the highest per capita incomes in the world, but depleted phosphate mines and bad investments have left it economically bereft.

Mission in India: Honorary Consulate General of Nauru, S-327, Greater Kailash -1, New Delhi-110048, Tel: 26414744/26215780; Fax: 262157780.

E-mail: kartarbhalla@hotmail.com

125. Nepal

(Kingdom of Nepal) Nepal Adhirajya

Capital: Kathmandu; Other Large Cities: Biratnagar, Lalitpur; Area: 147,181 sq.km.; Population: 26,267,147; Languages: Nepali, Maithir, Bhojpuri etc.; Religions: Hindu-80.6%, Buddhist-10.7%, Muslim-4.2%, Kirant-3.6%, others-0.9%. Nepal is the only official Hindu state in the world; Literacy: 48.6%; Life Expectancy: 60.18; Currency: Nepalese Rupee (US \$1=73.344); p.c.i: \$ 1,400; Date of Independence: 1768.

Government Type: Parliamentary Democracy; Head of State: King Gyanendra Bir Bikram Shah,PM: Girija Prasad Koirala.

The Kingdom of Nepal (Nepal Adhirajya) is a land-locked Asian country in the Himalaya mountain range. It is bounded on the north by Tibet, on the east by Sikkim and West Bengal, on the south and west by 8ihar and Uttar Pradesh.

History: From 1846 to 1951 Nepal was virtually ruled by the Rana family, a member of which always held the office of prime minister, the succession being determined by special rules. The last Rana prime minister resigned in Nov. 1951. The 15 feudal chieftainships were integrated into the kingdom on 10 April 1961.

Following pro-democracy demonstrations on 16 April 1990 King Birendra dismissed the government and proclaimed the abolition of the panchayat system of nominated councils. On 9 November 1990, the King proclaimed a constitution by which he relinquished his absolute powers.

Under the constitution of 9 Nov. 1990 Nepal became a constitutional monarchy based on multi-party democracy. Parliament has 2 chambers: a 20S-member House of Representatives (Pratinidhi Sabha), of which 10 members are nominated by the king.

The country is administratively divided into 14 zones, subdivided into 7S districts and over 3,500 villages.

Economy: Nepal is among the poorest and least developed countries in the world with

nearly half of its population living below the poverty line. Agriculture is the mainstay of the economy, providing a livelihood for over 80% of the population and accounting for 41% of GDP. Textile and carpet production, accounting for about 80% of foreign exchange earnings in recent years, contracted significantly in 2001 due to the world economic slump and pressures by Maoist insurgents on factory owners and workers.

Industry contributes about 22% of Nepal's GDP. Its major trading partner is India. Principal exports are food grains, jute, timber, oilseeds, ghee (clarified butter), potatoes, medicinal herbs, skins and cattle. The chief imports are textiles, cigarettes, salt, petrol and kerosene, sugar, machinery, medicines, boots and shoes, paper, cement, iron, steel and tea.

Tourism is the second largest industry. It is being developed by the construction of new tourist centres in the Kathmandu valley. Regular air services link Kathmandu with Pokhara Lake. Major tourist attractions include Lumbini, the birthplace of Buddha, and the Himalaya mountain range including Mount Everest, the world's highest peak. About 30 per cent of tourists are from India.

Government has a poverty reduction scheme whereby poverty is to be brought down to 10% in the 12th plan.

In Feb. '96, India and Nepal signed two agreements including an initiative for sharing of water and electricity from the Mahakali river.

King Birendra (brother of King Gyanendra), Queen Aishwarya and six other members of the royal family were assassinated on June 1, 2001.

Recent Events: In April 2006, an opposition alliance called off weeks of strikes and protests against the direct rule of the king after the monarch agreed to reinstate parliament. G.P. Koirala was appointed prime minister. Maoist rebels called a three-month

mously to curtail the king's political powers. Rebel leader Prachanda and PM Koirala held talks - the first such meeting between the two sides - and agreed that the Maoists should be brought into an interim government.

Mission in India: Royal Nepalese Embassy, Barakhamba Road, New Delhi - 110001. Tel. 23329969, 23329218; Fax: 23326857, 3329647.

E-mail:ramjanki@del3.vsnl.net.in Indian Misslon In Nepal: Embassy of India, Lain Chaur, Post Box No. 292, Kathmandu, Nepal. Tel: 00-977-1-410900; Fax: 00-977-1-413132, 420130.

E-mail:indemb@mos.com.np

126. The Netherlands

(Kingdom of the Netherlands) Koninkrijk der Nederlanden



Capital: Amsterdam (Seat of Govt: The Hague); Other Large Cities: Rotter dam, Ulrecht; Area: 41,160 sq.km; Population: 16,491,461; Languages: Dutch; Religions: Dutch Reformed-13%, Calvinist-796, Muslim-5.5%, others-2.5%, none-41%; Literacy: 99%; Life Expectancy: 78,96; Currency: Euro (\$1=0.79); p.c.l: \$30,500; Date of Independence: 1579.

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Government Type: Constitutional Monarchy; Head of State: Queen Beatrix Wilhelmina Amgard; PM: Jan Peter Balkenende.

The Kingdom of the Netherlands in North West Europe, on North Sea comprises the

Netherlands and Antilles. The country is plainland with an average height of 11 m. above sea-level. Much of the land, however, is below sea-level and is protected by dykes, which extend to some 2400 km. Netherlands is a member of the European Union.

Economy: The Netherlands is a small, densely populated and highly developed country. Agriculture has been mechanised and developed. Crops: Grains, potatoes, sugarbeets, fruits, flowers. Foodstuffs form the largest industrial sector. Dairy products account for one-quarter of exports. Other major industries include chemicals, metallurgy, machinery, electrical goods and tourism. Netherlands is one of the world's 10 leading exporting countries. Service sector contributes 71% of GDP, industry 26% and agriculture and fisheries 3%. Amsterdam is famous as a world centre for diamonds, precious metals and art treasures. Rotterdam, along the Rhine, handles the most cargo of any ocean port in the world. The Netherlands attracts 5m. tourists every year.

Recent Events: In February 2006, parliament agreed to send an additional 1,400 Dutch troops to join Nato-led forces in Southern Afghanistan. The decision came after weeks of wrangling and international pressure.

Mission in India: Royal Netherlands Embassy, 6/50 F, Shantipath, Chanakyapuri, New Delhi-110021. Tel: 2688 4951-54; Fax: 91-11-24103091 (Consular/Visa)

E-mail: nde@minbuza.nl; Web: holland-in-india.org

Indian Mission in Netherlands: Embassy of India, Buitenrustweg -2, 2517 KD, The Hague, Netherlands. Tel: 00-31-70-3469771; Fax: 00-31-70-3617072.

E-mail:ssembind2bart.nl

Dutch Territories

Aruba The island (Area: 193 sq.km., Population: 71,891) which lies in the southern Car-

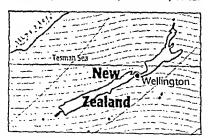
ibbean, formed part of the Dutch West Indies from 1828 and part of the Netherland Antilles from 1845. Achieved internal self-government in 1954. Aruba was constitutionally separated from the Netherlands Antilles from Jan. 1, 1986, and full independence was promised after a 10-year period. 8ut an agreement of 1990 deleted references to eventual independence. Capital: Oranjestad. PM: Nelson O. Oduber.

The Netherlands Antilles (Area: 800 sq.km., Population: 221,736) comprise two groups of islands in the West Indies, the Leeward group (Curacao and Bonaire) and the Windward Islands. In 1954, they became an integral part of the Netherlands but are fully autonomous in internal affairs. Capital: Willemstad; Governor General: Frits Goedgedrag; PM: Etienne YS.

127. New Zealand

3

Capital; Wellington; Other Large Cities: Auckland, Christchurch, Hamilton; Area:



269,057 sq.km (excluding dependencies); Population: 4,076,140; Languages: English and Maori dialect; Religions: Anglican-14.9%, Presbyterian-10.9%, Roman Catholic-12.4%, Methodist-2.9%, 8aptist-1.3%, Pentecostal-1.7%, other Christian-9.4%, other-3.3%, Unspecified-17.2%, none-26%; Literacy: 99%; Life Expectancy: 78.81; Currency: New Zealand Dollar (\$1=1.616); p.c.i: \$ 25,200; Date of Independence: 26th September, 1907.

Government Type: Parliamentary Democracy; Head of State: Queen Elizabeth II; Gov.Gen:Dame Silvia Cartwright; PM: Ms. Helen Clark.

History: New Zealand, lying in the South Pacific Ocean with Tasman Sea on the west, consists of two large islands, North Island and South Island and numerous small islands. British sovereignty was proclaimed in 1840, with organised settlement beginning in the same year. The colony became a dominion in 1907.

The native Maoris, who reached New Zealand before and during the 14th century, number about 550,000. Six members of Parliament are elected directly by them.

New Zealand plans to do away with the right of appeal to the Privy Council in London - a milestone in the country's exercise to ultimately become a Republic.

The Labour Party won the general election in 1999.

Economy: The major crops are wheat, maize, oats and barley. Minerals include coal, oil and gold. Primary industries are dairying, meat and wool. Pulp and paper industry is highly developed. Iron, steel, aluminium, textil-es, transport equipment are other industries.

Recent Events: In May 2006, New Zealand troops joined an intervention force in East Timor, intended to quell unrest. In August, queen of the indigenous Maori population, Te Arkinui Dame Te Atairangikaahu, died aged 75 after a reign of 40 years.

Mission In India: High Commission for New Zealand, Sir Edmund Hillary Marg, Chanakyapuri, New Delhi-110 021. Tel: 2688 3170; Fax: 26883165.

E-mail:nzhc@ndf.vsnl.net.in

Indian Mission In New Zealand: High Commission of India, 180, Molesworth Street, P.O. Box 4045, Wellington, New Zealand. Tel: 00-64-4-4736390; Fax: 00-64-4-4990665.

E-mail:hicomind@clear.net.nz

rseas Territories

Cook islands and Niue are self-govterritories overseas and Ross Depenand Tokelau are territories overseas gwithin New Zealand's jurisdiction.

e Cook Islands: (241 sq.km.) were dunder New Zealand administration in and they achieved self-governing stanassociation with New Zealand in 1965; ulation: 21,388

viue (259 sq.km.), formerly administered and of Cook Islands, achieved self-govern-status in association with New Zealand 1974. Niue is the largest uplifted coral isd in the world. Population: 2,166.

The Ross Dependency: (414,400 sq.km.), a Antarctic region, was placed under New ealand administration in 1923.

Tokelau: (10 sq.km.) was placed under lev Zealand administration in 1925. Popuation: 1,405.

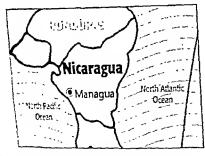
128. Nicaragua

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A.

H.C.

(Republic of Nicaragua) Republica de Nicaragua



Capital: Managua; Other Large Cities: Leon, Granada; Area: 130,000 sq.km; Population: 5,570,129; Languages: Spanish and English; Religions: Roman Catholic-85%, Protestant; Literacy: 67.5%; Life Expectancy: 70.63; Currency: Gold Cordoba (NIO) (\$1=17.18); p.c.i: \$ 2,900; Date of Independence: 15th September, 1821

Government Type: Republic; Head of State & Govt.: Enrique Bolanos.

History: The republic of Nicaragua is to cated in the heart of Central America. It is the largest but most sparsely populated of the Central American nations. It became an independent state in 1838. The Somoza dynasty ruled Nicaragua from 1933 to 1979.

The third Somoza was overthrown by armed revolution led by Sandinista National Liberation Front, which emerged as the leading political force in the election held in 1984. But Contra rebels, comprising mainly former members of Nicaraguan National Guard and supported by the U.S. waged a nine-year war against the government led by Sandinista leader Daniel Ortega. About 30,000 people were killed. With the defeat of Ortega by Violeta Chamorro in the elections held in 1990, the civil war came to a close.

Economy: Agriculture is the principal source of national income. The most important agricultural products are cotton, coffee, sugar-cane, rice, bananas, maize and fruit. Chief industries are food processing, chemicals, matches, leather, beer and plastic goods. Gold, copper, silver, lead and zinc are found.

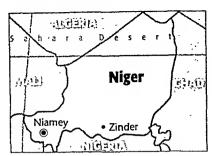
Mission in India: Embassy of Nicaragua Stationed at Panama.

Hon. Consulate, 43-A, Prithviraj Road, New Delhi-110011. Tel: 4694469; Telefax: 3221173.

E-mail: vcb@dabur.com

129. Niger

(Republic of Niger) Republique du Niger Capital: Niamey; Other Large Cities: Zinder, Maradi; Area: 1,267,000 sq.km; Population: 12,525,094; Languages: French, Hausa and Djerma; Religions: Muslim-80%, remainder indigenous beliefs and Christian; Literacy: 17.6% (1995); Life Expectancy: 43.76; Currency: CFA Franc(\$ 1=518.98); p.c.i: \$ 900;



Date of Independence: 3rd August, 1960.

Government Type: Republic; President: Tandja Mamadou; PM: Hama Amadou.

History: The Republic of Niger lies in the heart of West Africa. Formerly part of French West Africa, Niger became fully independent on Aug. 3, 1960.

A new constitution was adopted by referendum in Dec. '92. Niger's first democratically elected President Mahamane Ousmane was ousted in a coup in January, 1996 by military ruler Ibrahim Mainassara. Elections were held in 1999.

Economy: Niger is an agricultural country with very limited resources. The principal crops are millet, peanuts and cotton. Cattle-breeding is the next most important occupation of the people. Minerals: uranium, coal, iron.

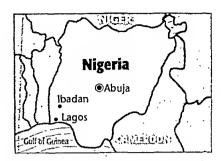
Recent Events: In June 2006, Unions called a national strike to protest against the high cost of living. Health and education ministers were sacked following pressure from donors who alleged corruption.

Mission in India: Embassy of Niger Stationed at Moscow.

130. Nigeria

(Federal Republic of Nigeria)

Capital: Abuja; Other Large Cities: Lagos, Ibadan; Area: 923,768 sq.km; Population: 131,859,731; Languages: English, Hausa, Ibo and Yoruba; Religions: Muslim-50%, Christian-40%, indigenous beliefs-10%; Literacy:



68%; Life Expectancy: 47.08; Currency: Naira (\$1=128.3); p.c.i: \$ 1,400; Date of Independence: 1st October, 1960.

Government Type: Republic; Head of State & Govt (President): Gen.Olusegun Obasanjo.

The Federation of Nigeria on the south coast of West Africa is black Africa's most populous nation. It is a country of 250 tribal groups.

History: Nigeria became an independent state in 1960 and a republic within the Commonwealth in Oct. 1963. Nigerians have seen seven coups in 32 years. Military has ruled the country for 30 of its 40 years of independence.

The chief agricultural products are cocoa, palm oil, palm kemels, grains, fish, cotton, rubber, peanuts and skins. Tin, lead, columbite, coal and iron ore are the chief minerals. Timber, hides and skins, cocoa and palm products are major export Items. Crude oil exports have become important since 1970.Oil revenues have made possible a massive economic development programme, but agriculture has lagged. Industry is diversified:- beer, cement, textiles, cigarettes, assembly of vehi-cles, soap, canned food and aluminium products being the main items. In the early 80s, with a civilian govt. in Lagos, Nigeria became a model of African democracy and prosperity. The civilian govt. was ousted in 1983.

On May 29, 1999 Olusegun Obasanjo, who was elected in February polls, became Nigeria's third civilian President since inde-

pendence, following Nnamdi Azikiwe and Shehu Shagari, ending 15 years of military rule in the country.

The execution of writer and environmentalist Ken Saro-Wiva and eight associates in Nov. 1995 led to international sanctions against Nigeria, including suspension of its Commonwealth membership.

Nigeria has fallen into steep decline. Unemployment has soured. Inflation is high. Purchasing power of most Nigerians has reached subsistence levels.

Recent Events: Militants in the Niger Delta attacked pipelines and other oil facilities and kidnapped foreign oil workers. . The rebels demanded more control over the region's oil wealth. In February, more than 100 people were killed when religious violence flared in mainly-Muslim towns in the north and in the southern city of Onitsha. In April, helped by record oil prices, Nigeria became the first African nation to pay off its debt to the Paris Club of rich leaders. More than 150 people were killed in an explosion at an oil pipeline near Lagos. The Senate rejected proposed changes to the constitution which would have allowed President Obasanjo to stand for a third term in 2007. In June, Nigeria agreed to withdraw its troops from the Bakassi Peninsula to settle its long-running border dispute with Cameroon. The breakthrough was reached at UN-mediated summit.

Mission in India: High Commission of the Federal Republic of Nigeria, 21 Olof Palme Marg, Vasant Vihar, New Delhi-110057. Tel: 2614 6221, 2614 6645; Fax: 2614 6617.

E-mail: nhcnd@nde.vsnl.in Web: www. nigeriadelhi.com

Indian Mission in Nigeria: High Commission of India, 8-A, Eleke Crescent, Victoria Island, Lagos, Nigeria. Tel:00-234-1-2616604, 2615078, 2615905, Fax:00-234-1-2612660.

E-mail: hicomindfssimbaonline.net

131. Norway

(Kingdom of Norway) Kongeriket Norge



Capital: Oslo: Other Large Cities: Bergen, Trondheim; Area: 323,895 sq.km; Population: 4,610,820; Languages: Norwegian; Religions: Church of Norway-85.7%, Pentecostal-1%, Roman Catholic-1%, other Christian-2.4%, Muslim-1.8%, Other- 8.1%; Literacy: 100%; Life Expectancy: 79.54; Currency: Krone (\$1=6.208); p.c.i: \$ 42,300; Date of Independence: 7th June, 1905.

Government Type: Constitutional Monarchy; Head of State: King Harald V; PM: Jens Stoltenberg.

History: Norway in North-West Europe occupies the western part of the Scandinavian Peninsula. It is known as the Land of the Midnight Sun, because in North Cape area, the sun does not set from middle May until the end of July, nor does it rise above the horizon from the end of November to the end of January. Nearly 70% of Norway is uninhabitable and covered by mountains, moors, glaciers and rivers. The largest lake is Mjosa; longest river Glomma; highest mountain Galdhopiggen.

Norway is a constitutional and hereditary monarchy.

Almost three-quarters of the population live in the major towns and cities. Life expectancy-men 75 years, women-81 years.

The Sami, the indigenous people of the far north, number some 30,000 and form a distinct ethnic minority.

Economy: The important agricultural products are barley, oats, rye, potatoes, fruits and dairy products. Fishing is a major occupation with immense quantities of cod, herring, whale, tuna, seal, mackerel and salmon. Forests provide raw material for many industries. Mining is an important industry. There is very little coal but plenty of hydro-electric power to run big factories. High degree of industrialisation, the base for which was provided by abundant hydroelectric resources, has given Norwegians one of the highest living standards in the world. The principal manufactures are food products, machinery and metal work, wood, paper and pulp, aluminium, electro-chemical products, ships and transportation equipment. Norway is one of world's largest producers of chemical fertiliser. It possesses a large merchant manine. Norway is the world's third-largest exporter of oil, and relies on the black stuff for 200,000 jobs.

The Nobel Peace Prize is awarded every year in Oslo on December 10.

Since the mid-1980s, more than 40% of the members of the Government have been women. In 1993, the first woman bishop was appointed in Norway. Norway has led the way in building a modern welfare state.

Dependencies of Norway: Svalbard (62,700 sq.km.), Jan Mayen (380 sq.km.), Bouvet Island (60 sq.km.), Peter I Island (249 sq.km.), and Queen Maud Land.

Mission In India: Royal Norwegian Embassy, Shantipath, Chanakyapuri, New Delhi-110 021. Tel: 26B73532, 26B73142; Fax: 011-26B73814.

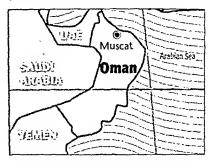
E-mail:noramb@vsnl.com

Indlan Misslon in Norway: Embassy of India, Niels Juels Gate 30, 0244 Oslo 2, Norway. Tel: 00-47-22443194, 22552229; Fax: 00-47-22440720.

E-mail:iamasade@online.no/india@on

132. Oman

(Sultanate of Oman) Saltanat' Uman



Capital: Muscat; Area; 300,000 sq.km; Population: 3,102,229; Languages: Arabic; Religions: Ibadhi Muslim-75%, Sunni Muslim, Shi'a Muslim, Hindu; Literacy: 75.8%; Life Expectancy: 73.37; Currency: Rial Omani (\$1=0.385); p.c.i: \$13,200; Date of Independence: 1650.

Government Type: Monarchy; Head of State & Govt: Sultan Qabus Bin Said.

History: The Sultanate of Oman, formerly Muscat & Oman, occupies the south-eastern part of the Arabian Peninsula. Oman adopted the present name in 1970.

Economy: Oil is the major source come. It forms 95% of the exports. It there is water, the land is very fertile Batina coastal plain is famous for its fruits and grains. Major industries are leum drilling, fishing and construction

The sultanate has spent its oil resourc gally and made careful use of its natur vantages, such as its prime position a important trade routes. The giant con port and free zone it has built at Salalah set to capture a growing share of the I Ocean transshipment business.

The Kuria Muria Islands, formerly part of were given to Oman by the British in 190

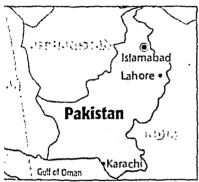
Mission in India: Embassy of the Sultrof Oman, EP 10&11, Chandragupta N Chanakyapuri, New Delhi-110 021.

E-mail:omandelhi@vsnl.com

Indian Mission in Oman: Embassy of India, P.O. Box 1727, Ruwi, Muscat, Sultanate ol Oman, Tel: 00-968-7714120: Fax: 00-968-7717503. F-mail:indiamct@omantel.net.com

3. Pakistan

mic Republic of Pakistan) Islam-i iuriya-e Pakistan



Ital: Islamabad; Other Large Cities: ichi, Lahore, Peshawar; Area: 796,095 m; Population: 165,803,560; Languages: u (Official), Punjabi, Sindhi, Pushtu, ichi, Brahui, English; Religions: Muslim-6 (Sunni-77%, Shi'a-20%), Christian, du and others-3%; Literacy: 48.7%; Life ectancy: 63.39; Currency: Rupees (US \$1= 23); p.c.i: \$2,400; Date of Independence: 'August, 1947.

Jovemment Type: Federal Republic; Presiit: General Pervez Musharraf; PM: Shaukat

he Islamic Republic of Pakistan is bordered he north-west by Afghanistan, north by former USSR and China, east by India and th by the Arabian Sea.

fistory: The Muslim state that emerged m partition of British India on 14 August 47 included an eastern wing comprising inly the eastern half of Bengal province d parts of Assam. (The name Pakistan is a inage representing 'Punjab, the Afghan border states, Kashmir, Sind and Baluchistan').

For nine years Pakistan remained a dominion. It was proclaimed an Islamic republic on 23 March 1956. A federal parliamentary system functioned until Field-Marshal Muhammad Ayub Khan seized power in a coup in October 1958. Ayub proclaimed a presidential system in the constitution of 1962 and ruled until March 1969, when he was deposed by Gen. Yahya Khan.

In the first free elections in December 1970, Zulfikar Ali Bhutto's Pakistan People's Party dominated the west, while Sheikh Mujibur Rahman's Awami League swept the board in the east, winning 160 of the 162 seats.

East Pakistan proclaimed sovereignty and formed the People's Republic of Bangladesh on 26 March 1971. Civil war followed after Yahya, supported by Bhutto, ordered troops to arrest Mujib and put down the Bengali uprising. The east-west war ended in December 1971. Yahya handed over power to Bhutto, who ruled until July 1977, before being overthrown after an opposition campaign against alleged rigging in general elections. Gen. Zia-ul-Haq took over -- initially to hold elections and transfer power to a civilian regime. But elections were twice postponed and Bhutto was tried for the murder of a political opponent and executed

Gen. Zia was killed in a plane crash on August 17, 1988 and Senate Chairman Ghulam Ishaq Khan took over as Acting President. The country was placed under emergency rule.

In the general election held on November 16, 1988 the Pakistan Peoples' Party (PPF) led by Benazir Bhutto won the largest number of seats (92) Benazir assumed office a the PM on December 9. Ghulam Ishaa Far was elected President on December 12

Benazir was dismissed in Aug 1527 Nawaz Sharif of Islami Jamhoori [###*] over as Pakistan's 11th Prime!

November 5. Shanef was dismissed in 1993. The Supreme Court annulled the dismissal leading to a constitutional impasse. Moeen Qureshi took over as caretaker Prime Minister in July. PPP returned to power in Oct. '93 and Ms. 8hutto took over as PM once again. In Apr. '96, Imran Khan launched a new party 'Movement for Social Justice'. In Nov., Ms. Bhutto was dismissed as PM, the National Assembly dissolved, and M.M. Khalid appointed caretaker PM. On Feb. 17, 1997, Nawaz Sharif was sworn in as Pakistan's 13th PM.

Tensions between the military and PM Sharif ended in a coup by army chief ez Musharraf on Oct.12, 1999. anif was later exiled to Saudi Arabia. Invicted and sentenced to 25-year-

entence on charges of hijacking and Pakistan was suspended (Oct. from the Componwealth

stone in Indo-Pak relations was the is ride by Indian PM Vajpayee in Feb.

and communal conflict that had ing in Karachi intensified in 1995. –speaking Muhajirs are demanding its and autonomy. In Jan-Aug., '97, persons were killed in Shia-Sunni and at least 250 were shot dead in n Aug., government enacted a new mbat the growing sectarianism and

ir: Pakistan controls the northern em portions of Kashmir, an area of 1,160 sq km with a population of 8 m. in 1985. The Pak-occupied las its own Assembly, its own Coun-Court and Supreme Court. There is entary form of Government with a nister as the executive head and the as the constitutional head. The seat iment is Muzaffarabad.

ikistan Government is directly refor Gilgit and Baltistan (the north).

On May 28, 1998, Pakistan tested five nuclear devices and this was followed by a sixth one on May 30.

On June 20 2001, Gen. Musharraf declared himself President of the country. Efforts to find a peace formula on issues between India and Pakistan received a boost in the Agra summit in July 2000 between Gen. Pervez Musharraf and PM Vajpayee of India. It ended without a joint declaration but was start for further engagements.

Economy: Agriculture (including forestry and fishing) is the mainstay of Pakistan's economy, employing about 50% of the working population and providing about 26% of the country's gross domestic product (GDP).

The entire area in the north and west is covered by great mountain ranges. The rest of the country consists of a fertile plain watered by five big rivers and their tributaries. Agriculture is dependent almost entirely on the irrigation system based on these rivers. The main crops are wheat, cotton, maize, sugar-cane and rice, while the Quetta and Kalat divisions (Baluchistan) are known for their fruits and dates. Pakistan is self-sufficient in wheat, rice and sugar.

Industry employs about 10% of the population. Manufacturing (refined sugar, vegetable products, jute textiles, soda ash, sulphuric acid, caustic soda, chip board and paper board, bicycles, cotton cloth, cotton yarn, cement and steel) contributes about 20% to GNP. Main exports are cotton cloth, cotton yams, rice, leather, carpets and tapestries. There are international airports at Karachi, Islamabad, Lahore, Peshawar and Quetta.

Recent Events: In January 2006, up to 18 people were killed in a US missile strike, apparently targeting senior al-Qaeda figures, on a border village in the north. More than 30 people were killed in a suspected suicide bomb attack and ensuing violence at a Shia

Israel would withdraw from Gaza Strip (preferred Palestinian term, Gaza district) and Jericho. Early September, PLO and Israel arrnounced mutual recognition. On 13th, the historic accord was signed in Washington. On May 13, 1994, Israel handed over Jericho to Palestinian police, and on July 5, Arafat established Palestinian self-government there. In January, 1996, he became the first elected Palestinian President with a massive 88.1% of the vote, and took the oath of office as President of the Palestinian Authority on Feb.12. The electorate was 1,013,200. The Palestinian Council is an 82-member body.

Israeli currrency is in use. There is a Palestinian police of some 15,000 men.

President Clinton hosted a summit meeting between PM Netanyahu and Arafat in Oct. and peace talks were resumed. Israel halted talks in July '97 following the suicide bombing in a Jerusalem market which killed about 20 and injured 150. Israel yielded more West Bank territory to Palestinians, under an interim accord signed by Netanyahu and Arafat in Oct. '98. Palestinians gave new security quarantees in return.

Several dates for announcing an independent Palestinian State were declared since 1999 but nothing has happened.

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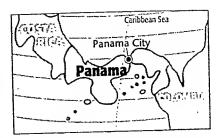
E-mail: palestin@starith.net

Indian Mission in Palestine: Representative office of India, 182-49, Shurta Street, Al Remal, P.O. Box. 1065, Gaza City, State of Palestine. Tel: 00-972-87-2825423, 2838199; Fax: 00-972-87-2825433.

E-mail:roi_gaza@trendline.co.in

136. Panama

(Republic of Panama) Republica de Panama Capital: Panama City; Other Large Cities: San



Miguelito, David; Area: 77,082 sq.km; Population: 3,191,319; Languages: Spanish, English; Religions: Roman Catholic-85%, Protestant-15%; Literacy: 92.6%; Life Expectancy: 75.22; Currency: Balboa (\$1=1); p.c.i: \$ 7,200; Date of Independence: 3rd November, 1903.

Government Type: Republic; President & PM: Martin Torrijos.

History: Panama, the southem-most of the Central American nations, is a narrow strip of territory at the southern end of the isthmus separating North and South America. Panama declared its independence from Colombia on Nov. 3, 1903.

In 1979, Panama assumed sovereignty over what was previosuly known as the Panama Canal Zone and now called the Canal Area.

Control over the 81.6-km waterway Panama Canal, linking the Atlantic and the Pacific oceans, had long been a bone of contention between the US and Panama.On Jan.1.2000. Panama took full control of the Canal, 785 years after the strategic waterway was opened.

Economy: The soil is extremely fertile but nearly one-half of the land is uncultivated The chief crops are bananas, coffee, pine apple, cocoa and cereals. Shrimp fishing i important. There are excellent timber re sources, notably mahogany. Industry: Oil re fining, sugar, food processing, internationa

Mission in India: Embassy of Panama, Pos Box No. 3168, Jor Bagh, New Delhi-110 003

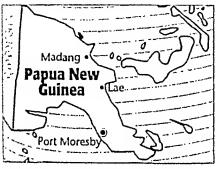
Tel: 24642518, 24627890; Fax: 24642350. E-mail: panaind@bol.net.in

Indian Mission in Panama: Embassy of India, No.10325, Avenida Federico Boyd Y Calle 51, Bella Vista, Post Box No. 8400, Panama 7, Republic of Panama. Tel: 00-507-2642416. 2643043, 2648780; Fax: 00-507-2642855.

E-mail: indempan@panama.c.com.net

137. Papua New Guinea

Independent State of Papua New Guinea



Capital: Port Moresby; Other Large Cities: Lae, Madang, Wawek; Area: 462,840 sq.km; Population: 5,670,544; Languages: English, Melanesian and Papuan languages; Religions: Roman Catholic-22%, Lutheran-16%, Presbyterian/Methodist/London Missionary Society-8%, Anglican-5%, Evangelical Alliance-4%, Seventh Day Adventist-1%, Other Protestant-10%, indigenous beliefs-34%; Literacy: 64.6%; Life Expectancy: 65.28; Currency: kina (\$1=2.98); p.c.i: \$ 2,600; Date of Independence: 16th September, 1975.

Government Type: Parliamentary Democracy; Gov. Gen: Sir Paulis Matane; PM: Sir Michael Somare.

Papua New Guinea comprises the eastern section of the island of New Guinea(-the western half belongs to Indonesia-) and adjacent islands. New Guinea is the second largest island in the world.

History: It is a region of lofty mountains and swampy plains. The surrounding islands

are largely of volcanic or coral origin. The population consists of dark-skinned Melanesians, who live mostly along the coasts and woolly-haired Papuans who inhabit the interior. There are more than 800 tribes, many of whom live in almost complete isolation with mutually unintelligible languages. Became independent on Sept. 16, 1975, ending a U.N. trusteeship under the administration of Australia. All citizens above 18 are eligible to vote and stand for election.

More than 20,000 people have died on the island of Bougaineville where a protest against a copper mine evolved into a ten-yearlong rebellion that 13 rounds of peace talks have failed to resolve. Fighting by the government and the secessionist Bougaineville Revolutionary Army was halted by a truce in Oct. '97. There was a severe drought in 1997. On July 18, 1998 a devastating tidal wave killed at least 3000 people and wiped away a number of villages along the coastline.

Economy: Agriculture occupies the majority of the population, most of whom are subsistence farmers. Main food crops. Sago, yams, taro, manioc, and sweet potatoes. Cash crops include coconuts, cocoa, coffee and rubber. The country has large deposits of copper, gold, silver and oil. Nevertheless, Papua New Guinea remains a poor country, still receiving aid from Australia. The massive mining royalties, estimated at \$ 2 billion, also support economy. Industries: Food processing, beverages, tobacco, timber products.

Mission in India: High Commission of Papua New Guinea stationed at Kuala Lumpur.

Indian Mission in Papua New Gulnea: High Commission of India, Suite No.G-5, Hotel Islander Travelodge, P.O Box 86, Walgani, NCD, Port Moresby, Papua New Guinea. Tel: 00-675-3254757, 3251373; Fax: 00-675-3253138, 3201718(R).

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WORLD PANORAMA

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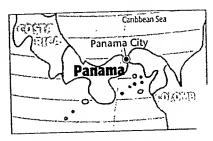
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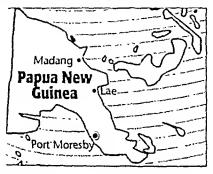
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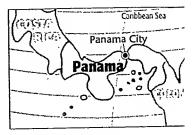
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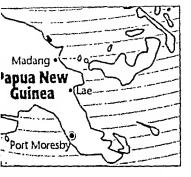
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apua New Guinea comprises the eastern ion of the island of New Guinea(-the tern half belongs to Indonesia-) and adntislands. New Guinea is the second largisland in the world.

fistory: It is a region of fofty mountains I swampy plains. The surrounding islands

are largely of volcanic or coral origin. The population consists of dark-skinned Melanesians, who live mostly along the coasts and woolly-haired Papuans who inhabit the interior. There are more than 800 tribes, many of whom live in almost complete isolation with mutually unintelligible languages. Became independent on Sept. 16, 1975, ending a U.N. trusteeship under the administration of Australia. All citizens above 18 are eligible to vote and stand for election.

More than 20,000 people have died on the island of Bougaineville where a protest against a copper mine evolved into a ten-year-long rebellion that 13 rounds of peace talks have failed to resolve. Fighting by the government and the secessionist Bougaineville Revolutionary Army was halted by a truce in Oct. '97. There was a severe drought in 1997. On July 18, 1998 a devastating tidal wave killed at least 3000 people and wiped away a number of villages along the coastline.

Economy: Agriculture occupies the majority of the population, most of whom are subsistence farmers. Main food crops: Sago, yams, taro, manioc, and sweet potatoes. Cash crops include coconuts, cocoa, coffee and rubber. The country has large deposits of copper, gold, silver and oil. Nevertheless, Papua New Guinea remains a poor country, still receiving aid from Australia. The massive mining royalties, estimated at \$2 billion, also support economy. Industries: Food processing, beverages, tobacco, timber products.

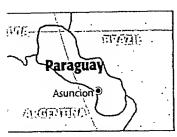
Mission in India: High Commission of Papua New Guinea stationed at Kuala Lumpur.

Indian Mission in Papua New Guinea: High Commission of India, Suite No.G-5, Hotel Islander Travelodge, P.O Box 86, Walgani, NCD, Port Moresby, Papua New Guinea. Tel: 00-675-3254757, 3251373; Fax: 00-675-3253138, 3201718(R).

E-mail:hcipom@datec.com.pg

. Paraguay

olic of Paraguay) Republica del Para-



l: Asuncion; Other Large Cities: San zo, Encarnacion; Area: 406,752 sq km; ition: 6,506,464; Languages: Spanish, ni; Religions: Roman Catholic-90%, onite and other Protestant-10%; Lit-94%; Life Expectancy: 75.1; Currency: ni (\$1=5,830); p.c.l: \$4,900; Date of endence: 14th May, 1811.

remment Type: Republic; Head of State rt (President): Nicanor Duarte Frutos. tory: Paraguay is one of the two landd countries of South America sured by Bolivia, 8razil and Argentina. The uay river is navigable for some 3000 km. teamers come upto Asuncion which is iief port of the state. This makes up for f coastline or sea harbours. Paraguay d independence from Spain on May 14, . Gen.Alfredo Stroessner ruled from to 1989, until ousted in a military coup. nomy: About 75 per cent of the popuis engaged in agriculture and allied its with cattle breeding as an important ation. Main crops are maize, cotton, , tobacco and citrus fruits. The timber ces of the state are enormous. The chief is are beef and other food products, acho (hard wood), hides and skins, cotare and soya. Industries: Food processood products, textiles, cement.

ere was a coup attempt in May, 2000. position leader, Julio Cesar Franco, was accurred the winner in Paraguary's elections for Vice President in August. This created an unprecedented power-sharing arrangement with the President from the ruling party.

Recent Events: In June 2006, Luis Gonzalez Macchi, President from 1999-2003, was sentenced to six years in jail over illegal bank transfers. In August, former military ruler Alfredo Stroessner died in exile in 8razil, aged 93.

Indian Mission in Paraguay: Honorary Consulate General of India, Avda, Eusebio Ayale 3663 Km.4, Asuncion, Paraguay. Tel: 00-595-21-660111; Fax: 00-595-21-660115.

139. Peru

(Republic of Peru) Republica del Peru



Capital: Lima; Other Large Cities: Arequipa, Callao; Area: 1,281,215 sq.km; Population: 28,302,603; Languages: Spanish, Quechua, Aymara; Religions: Roman Catholic-90%; Literacy: 87.7%; Life Expectancy: 69.84; Currency: New Sol (\$1=3.26); p.c.i: \$5,900; Date of Independence: 28th July, 1821.

Government Type: Republic; President: Alejandro Toledo; PM: Pedro Pablo Kuczynski.

History: Peru is on the Pacific coast of S. America. It was originally the seat of the famous Inca (Red Indian) Empire. It became independent on 28 July, 1821. After a military coup in 1968, civilian government was restored in 1980. A new constitution was promulgated in Dec. '93.

s mountains dominate Peru. rarest species of animals, the viama, the alpaca and the crossvicuna are found in the Andean where they are now protected. r. The leading agricultural prodotton, wool, sugar, coffee, rice, potatoes. Corn which is native to e staple food of the Indians, who rate alfalfa. Fishing industry is well d and Peru is the world's most improducer of fishmeal. The country, ninerals, is one of the leading prof silver. Some of the biggest copper the world are located in Peru. The ports are cotton, fish products, pe-

i, copper and iron ore.

Ion in Indla: Embassy of the Republic

J., C-1/24, Vasant Vihar, New Delhi
57. Tel:26141154, 26152294; Fax:

nail: info@embaperuindia.com eb: www.embaperuindia.com dian Mission In Peru: Embassy of India, 6, Magdalena del Mar, Lima, 17, Peru. 00-51-1-2616006, 4602289, 2616751; 00-51-1-4610374.

-mail: consular@indembassy.org.po Nebsite : www.indembassy.org.po

40. The Philippines

epublic of the Philippines)Republika ng iipinas



Capital: Manila; Other Large Cities: Quezon City, Davao; Area: 299,404 sq.km; Population: 89,468,677; Languages: Filipino, English and Spanish; Religions: Roman Catholic-80.9%, Evangelical-2.8%, Iglesia ni Kristo-2.3%, Aglipayan-2%, other Christian-4.5%, Muslim-5%, other-1.8%, unspecified-.6%, none-0.1%; Literacy: 92.6%; Life Expectancy: 70.21; Currency: Peso (\$1=63.16); p.c.l: \$5,100; Date of Independence: 12th June, 1898.

Government Type: Republic; President & PM: Ms. Gloria Macapagal Arroyo.

An archipelago of about 7100 islands, the Republic of the Philippines lies in the western Pacific Ocean, over 800 km. off the southeast coast of Asia. Just 11 islands constitute 94 per cent of the total land area. The principal islands are Luzon in the north and Mindanao in the south.

History: The Philippine islands, discovered by Magellan in 1521, were conquered by Spain in 1565. The islands, named for King Philip II of Spain, were ceded to USA in 1898. Became completely independent in 1946.

Economy: Main agricultural crops are rice, maize, sugar, tobacco, coconut, pineapple and bananas. Manufacturing is a major source of economic development. Industries include textiles, rubber products, oil refinery, pharmaceuticals, chemicals, electronics assembly, fumiture, cigarettes, paper, metal, glassware and food products. The Philippines is rich in natural resources and has iron, silver, gold, chromite, manganese and copper deposits in commercial quantity. It has also marble quarries, forests and extensive fishing grounds.

Ferdinand Marcos was President from 1965 to '86. Corazon Aquino succeeded him.The U.S. vacated the Subic Bay Naval Station at the end of the year.

Government and Moslem separatist negotiators signed an agreement on Aug. 30, 1996 to end 24 years of bloody conflict in

the south of the country which had claimed 125,000 lives. A plebiscite is to be held in 14 provinces on Mindanao island.

Recent Events: In February 2006, 74 people were killed and hundreds were injured in a stampede for tickets for a TV game show at a stadium in Manila. More than 1,000 people were killed by a mudslide which engulfed a village on the central island of Leyte. President Arroyo declared a week-long state of emergency after the army said it had foiled a planned coup. The death penalty was abolished in June. It was scrapped in 1987 but had been re-introduced.

Mission In India: Embassy of the Philippines, 50-N, Nyaya Marg, Chanakyapuri, New Delhi-110 021. Tel: (91-11) 24101120, 26889091; Fax: 26876401.

E-mail: newdelhipe@vsnl.net.in

Consulate: Mumbai: Tel:22024792, Fax: 22814103; Kolkata: Tel: 22808353, Fax: 22808354; Chennai: Tel:2354063, Fax: 2352062

Indian Mission in Philippines: Embassy of India, 2190 Paraiso Street, Dasmarinas Village, Makati, Metro, Manila, Philippines, Tel: 00-63-2-8430101/02; Fax: 00-63-2-8158151.

E-mail:eimani@vasia.com

141. Poland

(Republic of Poland) Rzeczpospolita Polska Capital: Warsaw; Other Large Cities: Lodz, Krakow; Area: 312,677 sq.km; Population:



38,536,869; Languages: Polish; Religions: Roman Catholic-89.8%, Eastern Orthodox-1.3%, Protestant-0.3%, other-0.3% and unspecified-8.3%; Literacy: 99.8%; Life Expectancy: 74.97; Currency: Zloty (\$1=3.21); p.c.i: \$: 13,300; Date of Independence: 11th November, 1918.

Government Type: Republic; President: Lech Kaczynski; PM: Jaroslaw Kaczynski.

History: A republic of upper central Europe, Poland's history goes back to the tenth century A.D. Partitioned in the 18th century, it became independent in 1918. The Nazi invasion of Poland in 1939 initiated World War II. The country was liberated again in 1944.

Solidarity movement led by Nobel Prize winner Lech Walesa played an important part in bringing down the communist dictatorship in 1989. The communist party was dissolved in 1990. Poland joined the European Union on May 1, 2004.

Economy: About 62% of the population are urban; 32% of the population are engaged in agriculture. Chief crops are rye, wheat, oats, potatoes, sugar beets, tobacco and flax. The country has vast resources of mineral wealth, particularly coal, besides iron, lignite, natural gas, lead, zinc and sulphur. Textiles, chemicals and metallurgy are old, established industries. New industries include automobiles, tractors, heavy machinery, shipbuilding and aircraft manufacturing. Main exports are ships, coal, steel and clothing. Wide ranging measures to convert the economy Into a market oriented system were introduced in 1989. In 1991, the government announced an ambitious privatisation plan.

Recent Events: In January 2006, more than 60 people were killed when roof of Katowice trade centre collapsed. In May, Law and Justice party reached majority coalition agreement with self-Defence Party and League of polish families. In July, President Lech Kaczynski's twin brother, Jaroslaw became premier.



ission in Indla: Embassy of the Republic land, 50-M, Shantipath, Chanakyapuri. Delhi-110021. Tel: 51496900 (Amba-51496901); Office: or's 71914(Embassy)/ 26872033(Commer-Section)

·mail: gorski@de12.vsnl.net.in

onsulate General of the Republic of Pod in Mumbai: Manavi Apartments, 2nd , 36, B.G. Kher Marg, Malabar Hill. mbai-400 006; Ph: (91 22) 23633863

E-mail: poland@vsnl.com

Indlan Mission in Poland: Embassy of lia,Ul,Rejtana 15 (Flats 2 to 7)Mokotow, -516 Warasaw, Poland. Tel: 00-48-22-195800, 8496257; Fax: -00-48-22-196705, 8498505.

E-mail:ss_com@it.com.pl

42. Portugal

Republic of Portugal) Republica Portuguesa



Capital: Lisbon; Other Large Cities: Opporto, Amadora; Area: 92,072 sq.km; Population: 10,605,870; Languages: Portuguese; Religions: Roman Catholic-94%, Protestant; Litency: 93.3%; Life Expectancy: 77.7; Currency: Euro (\$1=0.79); p.c.i: \$ 19,300; Date of Independence: 1143.

Covernment Type: Republic; President: Ar.bal Cavaco Silva; PM: Jose Socrates.

Portugal is a small rectangular territory in the southwest comer of the Iberian Penin-

Fitting: Portugal was an independent king-

dom from the 12th century. It became a republic in 1910. The period 1932-68 saw a strong, repressive government headed by Premier Antonio de Oliveira Salazar. Portugal is a member of the European Union.

The Atlantic archipelagoes of the Azores and of Madeira form autonomous but integral parts of the republic.

Economy: Nineteen per cent of the country is forest, where pine, oak, chestnut and cork grow in abundance. Winegrapes, olives, grains and potatoes are the principal agricultural products. The major minerals are coal, copper, kaolin, wolframite, lithium and titanium. Textiles, chemicals, paper, footwear and glassware are the principal manufactures. The main exports are wine, canned sardines, tuna, anchovies, resins and cork. Portugal is one of the leading producers of cork.

In 1989, a package of reforms that did away with the socialist economy was approved by parliament.

In August, '98, Portugal and Indonesia agreed to discuss an Indonesian plan that would confer a special status for East Timor.

Portugal returned Macao to China in Dec.,1999.

Recent Events: Elections were held in February, 2005.

Mission in India: Embassy of Portugal, 8, Olof Palme Marg, Vasant Vihar, New Delhi-110 057. Tel: 26142215; Fax: 26152837

E-mail:emportin@ndf.vsnl.net.in

Web: www.embportindia.com

Indian Mission in Portugal: Embassy of India, Rua Pero da Covilha, No.16, 1400 Lisbon, Portugal. Tel: 00-351-21-3041090; Fax: 00-351-21-3016576.

E-mail:indiaembcom@mail.telepac.pt

Overseas Territories

Azores Islands

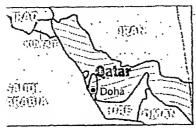
Area:2248.sq.km; Population:238,000; In the Atlantic; Partial autonomy was offered in 1976.

2 Madeira Islands

Area: 795 sq.km.; Population: 437,312; Off North East coast of Africa. Autonomous Jion since 1976.

13. Qatar

ate of Qatar) Dawletal-Qater



pital: Doha; Area:11,437 sq.km; Populan: 885,359; Languages: Arabic, English; Reions: Muslim-95%; Literacy: 89%; Curacy: Riyal(QAR) (\$1=3.64); p.c.i: \$ 27,400; e Expectancy: 73.9; Date of Independence: September, 1971.

Government Type: Traditional Monarchy; 2ad of State & Govt. (The Amir): Sheikh 2mad bin Khalifah al Thani.

Qatar is a 160 km. long tongue of land tting into the Persian (Arabian) Gulf. It is rrounded almost on three sides by the Perin Gulf. Saudi Arabia lies to the south.

History: Qatar declared its independence om Britain on Sept. 3, 1971. It is an absote monarchy. Oil revenues give Qatar a per pita income among the highest in the orld.

In May, '98, the Amir said that Qatar will to a constitution. In 1999 municipal electors, wo men participated for the first time candidates and voters.

Economy: Most of the population live in id around Doha, the capital. Immigrants from Pakistan, Iran and Oman now outnumber the native Qataris. Today the oil industry provides over 90% of the national income but employs only less than 5% of the popu-

lation. Even so, the future lies with gas. Qatar's Dukhan field has been exploited since 1980, but most attention is now focused on the North field, which is the world's largest gas field not associated with oil. Qatar is connected by road to the rest of Arabia and by air to the rest of the world. Agriculture: Cereals, fruits, vegetables, dates. Industries: fertilisers, steel, petrochemicals, cement.

Mission in India: Embassy of the State of Qatar, EP-31A, Chandragupta Marg, Chanakyapun, New Delhi-110021. Tel: 26117988, 26118486 (Ambassador's Office); Fax:26886080.

Indlan Mission in Qatar: Embassy of India, P.O. Box 2788, Al-Hilal Area, Doha, Qatar. Tel: 00-974-4672021, 46772716; Fax:00-974-4670448.

E-mail:indembdh@qatar.net.qa

144. Romania

Capital: Bucharest; Other Large Cities: Brasov,



Timisoara; Area: 237,500 sq km; Pop: 22,303,552; Languages: Romanian, hian, German; Religions: Eastern Orth 8796, Protestant-6.896, Catholic-5.696, ers-0.496, unaffiliated-0.296; Literacy: 98 Life Expectancy: 71.63; Currency: Leu ral Lei.) (\$1=2.78); p.c.i: \$ 8,200; Date c dependence: 9th May, 1877.

Government Type: Republic Presic Traian Basescue; PM: Calin Popo Tariceanu.

Romania lies in the south east of th

tral part of Europe. Ethnic mix: Romanians 89%, Hungarians 9%, others 2%.

Modern Romania was formed in 1859, In 1877, Romania proclaimed independence from Turkey, became an independent state in 1878, a kingdom in 1881 and a constitutional monarchy with a bicameral legislature in 1886. A People's Republic was proclaimed in 1947. In 1965, Romania became a socialist republic. It ended Communist dictatorship in 1989 by shooting long-time president Nicolae Ceausescu. National Salvation Front took over power in 1990. Romania's King Micheal returned home in Feb., 1997, 50 years after Communists banished him.

Industry, which accounts for 30% of the CDP, dominates Romanian economy. Heavy industries are predominated by druling rigs for oil, equipment for oil refineries, petrochemical industry, cement, thermo and hydro electric power, diesel and electric locomotives of high capacity, engineering and consumer goods, etc. Many state-owned companies were privatised in 1996.

Romanian agriculture recorded profound changes during the last three decades, beginning with the land reforms of 1945. Chief crops: grains, potatoes, vegetables, sunflower. Forests cover over a quarter of the country.

The exports are mostly made up of machines and equipment, chemical products, chemicals, fertilizers and industrial consumer goods.

Recent Events: In January 2006, at least seven miners died in coal mine explosion. In February, former prime minister Adrian Nastase was charged with corruption. He insisted he had done nothing wrong.

Mission in India: Embassy of Romania, A-47, Vasant Marg, Vasant Vihar, New Demi-110057. Tel: 26140447, 26140700; Fax: 26140611.

E-mail:emrcnd@notmail.com/emrcnd_ in/Syahoo.com/eccond@yahoo.com Indian Mission in Romania: Empley of India, 11, Uruguay Street, Sector 1, Bucharet (Romania), Tel: 00-40-1-2225451, 2223715, Fax: 00-40-1-2232531.

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145. Russia

(Russian Federalon) Rosbyskaya Federa-bya Capital: Moscowi Other Large Cities: StiPetersourg, Samara: Area:17,075,000 sq.km; Population: 142,693,540; Languages: Russian, Ukrainan, Belanusian, Ustrex, Armenian, Azerbaijani, Ceorgian, and stires; Rasigions: Russian Orthodox-15,20%, Musim-10-15%, other Christian-2%; Literacy: 99,6%; Life Expectancy: 67,03, Currency: Rouble (\$1=27,02) ("Gating.; pick \$10,100; Date of Independence: 24% August, 1991

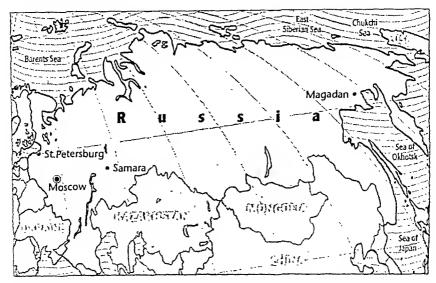
Covernment Type: Federal Papulais; Presdent: Madimir Putin; PMs Mikhalà Fradkov

Russia, the largest country in the world in area, stretches across the continents of Aba and Europe, it extends for over 9600 km from the Bastic Sea to the Pacific Ocean and for 4800 km, from north to south

History: Russia, an independent country since 1991, is 75% of the total area of the former Soviet Union and has 50% of its total population. About 70% of USSA's total industrial and agricultural output came from Russia.

Russia has now taken the place of the former Soviet Union in International foral Russia adopted the name 'Pussian Federation'

On December 8, 1991, Russia, Belurus and Ukraine concluded an agreement establishing a Commonwealth of independent States (CIS) with its neadquarters in Minisk. The member states are the introe founders and nine subsequent adherents. Armon a, Azerbaijan, Moldana, and the Control Australian, reguloi &s of Kazaknstun, Kirighida, Tulvitum,



Turkmeni-stan and Uzbekistan and Georgia.

The Russian Federation consists of 21 Republics, 6 Territories, 49 Provinces, 10 Autonomous Areas, 2 Cities of federal status (Moscow & St.Petersburg) and the Jewish Autonomous Region (Birobijan).

In 1993, a drive to privatise thousands of large and medium-sized state-owned enterprises was launched. President Yeltsin narrowly survived an impeachment vote by the Congress of Deputies in March. In Oct., Yeltsin ordered the army to attack and seize the parliament building, where anti-Yeltsin legislators had barricaded themselves. About 140 people were killed in the fighting. In Feb. '94, parliament amnestied those arrested after the occupation of the parliament building.

In July '94, Russia joined NATO's partnership for peace plan of military cooperation with former communist states. In May, '96, presidents of Russia, Belarus, Kazakhstan and Kyrgyzstan signed a treaty to boost closer links: among them.

Chechen separatists have been a major problem since the winter of 1994-'95 when Russian troops were sent in to crush

Chechnya's secessionist leadership. In August, '96, the war ended with an agreement between the government and the separatists to defer the decision on whether Chechenya should be independent until Dec. 31, 2001. Fighting resumed and Russia suffered heavy losses.

In Apr. '97, the presidents of Russia, Kazakhstan, Kyrgyzstan, Tajikistan and China signed a demilitarisation accord providing for considerable troop reductions along their 7000 km, common border.

In Aug. 97, Russia announced the dismantling of all rocket missiles targeted on westem strategic centres. Russia's army was to shrink from 1.8m, to 1.2m.

Russia attended G-8 summit as a fullfledged member.

Economy: Grain, cotton, potatoes, sugar beets, sunflower, are the main agricultural products. Natural resources include im a new oil, gold, platinum, copper, zinc, Russia also has the world's large timber. Russia's gold industry is ond largest. Steel mills, huge dan gas industries and electric rail ro-

Manorama Yearbook 2007

refugees in Western Rwanda crossed into Zaire as Tutsi rebels held 2/3 of the country. In July, the Tutsi-dominated Rwandan Patriotic Front named a Hutu, the new President. About one million Hutu refugees flooded back to Rwanda from Tanzania and Zaire in Nov. '96. Paul Kagame (sworn in Apr.2000) is the first Tutsi president of Rwanda.

Economy: The economy is agricultural and remains mainly at the subsistence level. Coffee, cotton, sorghum, cassava and sweet potatoes are the principal crops. Minerals include tin ore, tungsten, tantalite, gold and beryl. Industry is undeveloped. Food manufacturing is the chief industrial activity. Livestock raising is widespread and hides and skins are exported.

In July, 2000 an international panel set up by OAU concluded that the genocide in which 8 lakhs Tutsi people were killed was avoidable, and the Security Council didn't try to stop it.

Recent Events: In January 2006, Rwanda's 12 provinces were replaced by a smaller number of regions with the aim of creating ethnically-diverse administrative areas.

Mission In India: Embassy of the Republic of Rwanda, 41, Paschimi Marg, Vasant Vihar, New Delhi - 110 057. Tel: 5166 1604; Fax: 5166 1605.

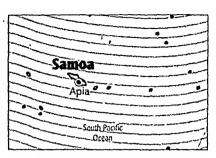
E-mail: rwandaembassy@yahoo.com and ambadelhi@minaffet.gov.rw

Indian Mission in Rwanda: Honorary Consulate General of India, M/S Sulfo Rwanda Industries, Rue de Lac Ihema, B.P. 90, Kigali, Rwanda. Tel:00-250-74556; Fax:00-250-74290.

147. Samoa (formerly Western Samoa)

(Independent State of Samoa) Malotuto'atasio Samoa I Sisifo

Capital: Apia; Area: 2835 sq km; Population: 176,908; Languages: Samoan and English;



Religions: Christian-99.7%; Literacy: 99.7%; Life Expectancy: 71; Currency: Tala (\$1=2.78); p.c.i: \$ 5,600; Date of Independence: 1ª January, 1962.

Government Type: Constitutional Monarchy; Head of State for Life: Malietoa Tanumafili II. PM: Tuilaepa Sailele.

History: Samoa in South Pacific consists of the two large islands of Savail and Upolu, the small islands of Manono and Apolima and several uninhabited islets lying off the coast. The International Dateline passes very near Samoa. Eastern Samoa (American Samoa) with its capital at Fagotogo remains a dependency of the USA. (Area: 197 sq.km.).

A former German protectorate, Samoa was administered by New Zealand from 1920 to 1961. Became fully independent on Jan.1, 1962. Has close links with New Zealand, on which it is dependent for military and economic assistance.

Economy: The economy is mainly agricultural. The chief products are fish, copra, bananas, taro, sweet potatoes, bark cloth and mats.

148. San Marino

(Most Serene Republic of San Marino)
Capital: San Marino; Other Large Citles:
Seravalle, Borgo Maggiore; Area: 61 sq km;
Population: 29,251; Languages: Italian; Rellglons: Roman Catholic; Literacy: 96%; Life
Expectancy: 81.71; Currency: Euro (\$1=0.79);
p.c.l: \$ 34,600; Date of Independence: 3rd
September, 301



Government Type: Republic

Captains-Regent: Two co-regents appointed every six months from the Great and General Council of 60 members elected every 5 years.

History: The Republic of San Marino is a landlocked state in central Italy, 20 km. from the Adriatic.

It claims to be the oldest state in Europe, having been founded in A.D. 301, and the oldest republic in the world. A communist-led coalition ruled 1947-'57, a similar coalition ruled 1978-'86. San Marino has had a treaty of friendship with Italy since 1862.

Economy: The principal products are wheat, wine and olives. Industries include textiles, ceramics, cement, paper, postage stamps, leather and woollen goods. Tourism is the major source of revenue.

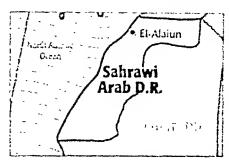
A person born in San Marino remains a citizen and can vote no matter where he lives. Women were granted the vote in 1959.

Mission In India: Honorary Consulate General of the Republic of San Marino, 15, Aurangzeb Road, New Delhi-110011. Tel: 23015850, Fax:23019677,

E-mail: bhaims @ndb.vsnl.net.in

149. Sahrawi Arab Demo. Rep. (S.A.D.R.)

Capital: El-Alaiun; Area: 266,769 sq.km; Population: 228,100; Languages: Arabic; Religions: Islam.



President: Mohammed Abdel Aziz; PM: Mohamm-ed Lamine.

History: The Saharawi Arab Democratic Republic set up by the Polisario Front, a liberation movement in Western Sahara, is a territory that came under Morocco's control after Spain withdrew, Algeria supported the Polisario-led struggle for independence. India accorded recognition to the new government on Oct. 1, 1985.

The UN will conduct a referendum in Western Sahara on whether the territory should become independent or remain part of Morocco.

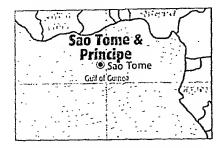
Economy: Western Sahara has rich phosphate deposits. Most of the land is desert.

Recent Events: A UN Security Council resolution has supported a proposal that Western Sahara become a semi-autonomous region of Morocco for a transition period of upto 5 years, after which the Sahrawis would decide on independence or integration. This compromise was seen as addressing Moroccan concerns, in a bid to entice it to agree to a referendum. Polsano signalled its readiness to accept, but Morocco rejected the plan, citing security concerns.

150. Sao Tome & Principe

(Democratic Republic of Sao Tome and Principe)

Capital: Sao Tome; Area: 964 sq km; Population: 193,413; Languages: Portuguese, native dialects like Fang; Religions: Cathi 70.3%, Evangelical-3.4%, , New Ap -



2%, Adventist-1.8%, other-3.1%, none-19.4%; Literacy: 79.3%; Life Expectancy: 67.31; Currency: Dobra (\$1=8,825); p.c.i: \$1,200; Date of Independence: 12th July, 1975.

Government Type: Republic; President: Fradique De Menezes; PM: Tome Vera Cruz.

History: These two islands, with a few other nearby islets, lie in the Gulf of Guinea, about 200 km. from Gabon. Situated north of the equator, these islands have hot steaming weather in the summer, but plenty of rainfall. Forests cover 60% of the land area. The largest of the islands is Sao Tome, on which stands Sao Tome, the capital and chief port.

These islands were under the Portuguese until 1975 when they became independent.

Economy: Today, the country's economy is geared almost exclusively to the production of agricultural export commodities, especially cocoa (78% of exports) and coconut products. Fishing is an important activity. Sao Tome has to import most of its food. There is virtually no manufacturing industry except soap, solt drinks etc.

151. Saudi Arabia

(Kingdom of Saudi Arabia) al-Mamlaka al 'Araiya as-Sa'udiya

Capital: Riyadh (Royal) and Jeddah (Administrative); Other Large Cities: Mecca, Damman, Medina; Area: 2,250,070 sq km; Population: 27,019,731; Languages: Arabic; Religions: Muslim-100%; Literacy: 78.8%; Life Expectancy: 75.67; Currency: Rial (SAR)

(\$1=3.75); p.c. i: \$ 12,800; Date of Independence: 23rd September, 1932

Government Type: Monarchy; Head of State & Govt: Abdallah bin Abd al-Aziz Al Saud.

History: Saudi Arabia, named after the ruling dynasty of Sa'ud, occupies nearly fourthfifths if the Arabian Peninsula.

In the province of Hejaz are Medina and Mecca (the religious capital), the holy cities of Islam. The mosque of the Prophet in Medina enshrines the tomb of Mohammed, who died in the city in 632. More than 600,000 Muslims from about 60 nations pilgrimage to Mecca, the Prophet's birthplace, every year. Of the total population, 6 m. are foreigners.

The Saudi king, whose official title is custodian of the Two Holy Mosques (at Mecca and Medina), rules as absolute monarch. His heir and deputy, the crown prince, is selected from among the Sa'ud family by its leading members in consultation with the ulama, or supreme religious council. The king governs according to Islamlc law, choosing a council of ministers, many of whom are Sa'uds.

Economy: Saudi Arabia has the largest reserves of petroleum in the world (25% of the proved reserves), ranks as the largest exporter of petroleum, and plays a leading role in OPEC. The petroleum sector accounts for roughly 75% of budget revenues, 45% of GDP, and 90% of export earnings. Chief agricultural products are dates, wheat, barley,



it, hides and wool. Industry: Petrochemis, fertilisers, steel, gas, plastics. New indusal cities are being built at Jubail and Yanbu the Gulf.

Recent Events: In January 2006, 363 Hajj grims were killed in a crush during a stoneowing ritual in Mecca. In a separate incint, more than 70 pilgrims were killed when ostel in the city collapsed. In February, the vernment said it had foiled a planned suile attack on a major oil-processing plant at gaig. In June, six men allegedly linked to Qaeda were killed in a shootout with poe in Riyadh, the latest of several incidents olving Islamist militants.

Mission in India: Royal Embassy of Saudi abia, D-12, N.D.S.E., Part II, New Delhi-110 9. Tel: 26252470-71, 26256419; Fax: 259333, 26257082.

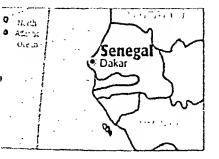
Indian Mission in Saudi Arabia: Embassy India, B-1, Diplomatic Quarter, P.B.No. 387, Riyadh-11693, Saudi Arabia. Tel: 00i6-1-1884144, 4884691/92; Fax: 00-966-4884750.

E-mail:ieriyadhadmn@shabakah.net.sa

52. Senegal

epublic of Senegal)

apital: Dakar; Other Large Cities: Thies, iolack, St. Louis; Area: 196,162 sq km; opulation: 11,987,121; Languages: ench, Wolof and other native tongues; Relions: Muslim-94%, indigenous beliefs-1%, hristian-5% (Mostly Roman Catholic); Lit-



eracy: 40.2%; Life Expectancy: 59.25; Currency: CFA Franc (\$ 1=518.98); p.c.l: \$ 1,800; Date of Independence: 4th April, 1960.

Government Type: Republic; President: Abdoulaye Wade; PM: Macky Sall.

Senegal lies on the West African bulge. Dakar, the capital, is the westernmost point in Africa.

History: Formerly a French colony, Senegal became a self-governing republic in 1960. Senegal was a one party state from 1966 to 1974, when a pluralist system was re-established. French political and economic influence is strong. In 1981, Senegal signed an agreement with the Gambia for a confederation of the two states under the name Senegambia. The confederation, established on Feb. 1, 1982, was dissolved on Sept.21, 1989.

Economy: Agriculture and livestock-rearing are the chiel occupations. Crops: Peanuts, millet, rice. There are large deposits of iron ore and phosphate. Industry: Food processing, chemicals, textiles and fishing. A long drought brought famine in 1972-73 and in 1978.

Abdoulaye Wade became President in March, 2000, succeeding Abdou Diouf.

Mission In India: Embassy of the Republic of Senegal, C-6/11, Vasant Vihar, New Delhi-110057, Tel:26147687, Fax:24103743

Indian Mission in Senegal: Embassy of India, 5, Avenue Carde, First Floor, BP 398, Senegal. Tel: 00-221-8225875, 8210979; Fax: 00-221-8223585.

E-mail:indiaemb@telecomplus.sn

153. Serbia

Capital: Belgrade; Other Large Citles: Titograd, Novisad; Area: 88,361sq. km.; Population: 9,396,411; Languages: Serbo-Croatian (official) 95%, Albanian 5%; Religlons: Serbian Orthodox, Muslim, Roman Catholic, Protestant; Literacy: 96.4%; Life Ex-



pectancy: 74; Currency: New Dinar (\$1=57.61); p.c.i: \$ 4,400; Date of Independence: 27th April 1992.

Government Type: Republic; President (also Head of Govt.): Boris Tadic.

History: The kingdom of Serbs, Croats, and Slovenes was formed in 1918; its name was changed to Yugoslavia in 1929. Occupation by Nazi Germany in 1941 was resisted by various paramilitary bands that fought themselves as the invaders. The group headed by Marshal Tito took full control upon German expulsion in 1945. In the 1990s, Yugoslavia began to unravel itself along ethnic lines. Slovenia, Croatia and the former Yugoslav Republic of Macedonia all declared their independence in 1991; Bosnia and Hezegovina in 1992. In April 1992 Serbia and Montenegro announced the formation of a new Yugoslav Federation and invited Serbs in Croatia and Bosnia-Herzegovina to join. The United Nations imposed economic sanctions on Serbia when Serbian Military and financial aid poured into the Bosnian Serb campaign of "ethnic cleansing". In 1995 Milosevic signed the Dayton peace accord, which ended the Bosnian War. In 1996 local elections, the Serbian Socialist Party was defeated in many areas. In 1997 Milosevic was forced to acknowledge the poll results after massive demonstrations in Belgrade. He later resigned the presidency of Serbia in order to become president of Yugoslavia. In 1998 fighting erupted in Kosovo between Albanian nationalists and Serbian forces. In 1999, following the forced expulsion of Albanians from Kosovo, Nato launched an airwar against Serbia and Montenegro to prevent a humanitarian crisis. Federal elections in the fall of 2000, brought about the ouster of Milosevic and installed Vojislav Kostunica as president. In 2002, the Serbian and Montenegran components of Yugoslavia began negotiation to forge a closer relationship. These talks became a reality in February 2003 when lawmakers restructured the country into a loose federation of two republics called Serbia and Montenegro.

The constitutional charter of Serbia and Montenegro included a provision that allowed either republic to hold a referendum after three years that would allow for their independence from the state union. In the spring of 2006, Montenegro took advantage of the provision to undertake a successful independence vote enabling it to secede on 3rd June. Two days later, Serbia declared that it was the successor state to the union of Serbia and Montenegro.

Autonomous provinces within Serbia

Kosovo (Capital: Pristina; Area: 10887 sq.km. Population: 2m. Vojvodina (Capital: Novi Sad, Area: 21,506 sq.km; Population: 2,050,000).

Economy: Agricultural products: Maize, grains, sugar beets, wheat, tobacco, livestock and timber. Industry: Electricity, coal, iron, steel, cement, motor vehicles, wood products and tourism.

Mission in India: Embassy of Serbia & Montenegro, 3/50 G Niti Marg, Chanakyapuri, New Delhi-110 021. Tel: 26873661/ 26872073; Fax: 26885535.

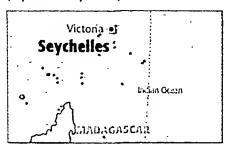
E-mail:zvezda@del2.vsnl.net.in

Indian Mission in Serbla & Monten-egro: Embassy of India, Vase Pelagica 30, Senjak

Belgrade. Tel: 00-381-11-3692431; Fax: 00-381-11-3692435.

154. Seychelles

(Republic of Seychelles)



Capital: Victoria; Area: 308 sq km; Population: 81,541; Languages: Creole, English and French; Religions: Roman Catholic-82.3%, Anglican-6.4%, Seventh Day Adventist-1.1%, other Christian-3.4%, Hindu-2.1%, Muslim-1.1%, other non-Christian-1.5%, unspecified-1.5%, none-0.6%; Literacy: 91.9%; Life Expectancy: 72.08; Currency: Rupee (\$1=5.52); p.c.i: \$7,800; Date of Independence: 29th June, 1976.

Government Type: Republic; President & PM: James Michel.

History: Situated in western Indian Ocean, over 1100 km. off NE of Madagascar, Seychelles is a group of about 115 lovely islands. Half the islands are coral-line and the other half granitic. The principal island is Mahe on which the capital Victoria is situated. Praslin and La Dique are two other islands. Seychelles was entirely uninhabited when the French established settlements there in 1768. It was ruled as part of Mauritius from 1814. Britain seized the group of islands in 1794. In 1903, it became a separate colony. Independence was declared on June 29, 1976, and Seychelles became a one-party state in 1979. In June, 1993, a new constitution provided for a multi-party state.

The population of Seychelles is of mixed

origin, a unique blend of European, African, Indian and Chinese races. Seychelles is renowned for its fine beaches, attractive scenery and pleasant climate.

Economy: Agriculture and fishing are major occupations. Chief crops: Coconuts, cinnamon, tea, vanilla and patchouli. Industry: Food processing and fishing. Tourism is a major contributor to gross domestic product.

Mission in India: Embassy of Seychelles Stationed at Kuala Lumpur.

Honorary Consulate of Seychelles, Qutab Ambience (at Qutab Minar), H-5/12, Mehrauli Rd, New Delhi-110 030. Tel: 51666123; Fax: 51666126.

E-mail: sbm@bharti.com

Indian Mission In Seychelles: High Commission of India, Le Chantier, Post Box No. 488, Victoria, Mahe, Seychelles Tel 00-248-224489: Fax: 00-248-224810

E-mail·hicomind@seychelles net

155. Sierra Leone

(Republic of Sierra Leone)



Capital: Freetown Area: 71,740 sq km; Free-lation: 6,005 250 Languages: English and tribal. Religions: Muslim-60%, Indigetom beliefs-30% Christian-10%; Literacy: 25% Life Expectancy: 40,22; Currenty and (\$1=2,950), p.c. \$ 800; Date of communications dence: 27% April, 1961.

Covernment Type: Constitution racy. Head of State & Code Ammed Tejan Kabban.

History: Sierra Leone (meaning mountain of the lion) was the name originally given to this area by Portuguese sailors mainly on account of the thunder-storms around its coastal peaks. It lies on the West African bulge, between Guinea and Liberia.

Formerly under British rule, Sierra Leone became independent in 1961 and a republic in 1971.

A military coup in May '97 overthrew the government of President Ahmad Tejan Kabbah. In March, '98, the junta headed by Lt. Col. Johnny Paul Koroma was ousted by Nigeria - led troops acting in the name of ECOWAS, and President Kabbah was reinstated. In July, a UN military observer mission was authorized by the Security. Council. The 70-member team was to help West African peacekeepers to demobilise remnants of the former ruling junta.

The country, after nearly nine years of civil war, lies in ruins today. Nearly 10% of the population have fled to neighbouring countries. In UNDP's list of 174 countries (1999), Sierra Leone was the last. The country lost hundreds of lives in rebellion in May, 2000.

Economy: The economy is based on agriculture and mining. Main crops: Cocoa, coffee, palm kemels, rice, ginger. Minerals: Diamonds, gold and bauxite. Industry: Light engineering.

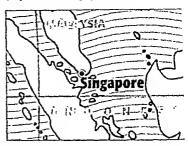
Recent Events: In April 2006, Charles Taylor, the former Liberian President faced war crimes charges in a UN-backed court in Sierra Leone over his alleged role in the country's civil war.

Mission In India: Embassy of Sierra Leone Stationed at Tehran.

Indian Mission in Sierra Leone: Honorary Consulate General of India, Post Box No. 26, 5, Rawdon Street, Freetown, Sierra Leone. Tel: 00-232-22-22452; Fax: 00-232-22-226343.

156. Singapore

(Republic of Singapore)



Capital: Singapore city; Area: 616.3 sq Population: 4,492,150; Languages: Machinese, Tamil and English; Religions: Edhist (Chinese), Muslim (Malays), Christ Hindu, Sikh, Taoist, Confucianist; Liten 92.5%; Life Expectancy: B1.71; Currer Singapore Dollar (\$1=1.69); p.c.l.: \$ 28,1 Date of Independence: 9th August, 1965.

Government Type: Republic; Preside S.R. Nathan, PM: Lee Hsion Loong.

Singapore is one of the smallest, most d sity populated and most prosperous coltries in the world. Most of the population on Singapore island; the rest inhabit neighbouring islets.

History: Modern Singapore was found in 1819 by Sir Thomas Stamford Raffles the British East India Company, and later I came a British crown colony. It was incorprated into the Federation of Malaysia in 196 but two years later left the federation to It come an independent Republic. The popution of Singapore is composite. The Chine comprise 77%, Malays 15% and Indians 65 Lee Kuan Yew was PM for 31 years (195 90). S.R. Nathan, a Singaporean of Indiathnicity was elected unopposed as the country's sixth president in Aug. '99.

Economy: The country is an entrepot for Malaysia and other southeast Asian states, is one of the world's largest ports. The chie exports are rubber and tin. Industries includ tin smelting, rubber, lumber ship-building

textiles and oil refining, (Singapore is the largest oil refining centre in Asia) machinery. chemical products, food, tourism (7.52 m. tourists in 2001) and banking. Standards in health, education and housing are high. Only about 1.7% of the total area is used for farming. Most food is imported.

On January 1, 1996, Singapore was graduated to the status of a 'developed country' by the Organisation for Economic Cooperation and Development (OECD). In May '97, the four Asian 'tigers' (Singapore, Hong Kong, Taiwan and S.Korea) were added to the industrialised countries by IMF.

Recent Events: • Lee Hsien Loong's ruling People's Action party won general elections which were seen as the first real test of the prime minister's popularity.

Mission in India: Singapore High Commission, E-6, Chandragupta Marg, Chanakyapuri, New Delhi-110 021. Tel: 26885659, 26886506: Fax: 26886798.

E-mail: singhnd@giasd101.vsnl.net.in; Web: www.mfa.gov.sg/newdelhi

Consulate: Consulate General of the Singapore in Mumbai: 101, 10th Floor, Maker Chambers IV, 222, Jammnalal Bajaj Road, Nariman Point, Mumbai-400 021; Ph: 001-91 (22) 22043205, 001-91 (22) 22043209

E-mail: MFA_Mumbai@mga.gov.sq

Indian Mission in Singapore: High Commission of India, "India House", 31, Grange Road, P.O. Box No. 92, Singapore-912304. Tel: 00-65-7376777; Fax: 00-65-7326909.

E-mail:indiahc@pacific.net.sq

Website: http://www.embassyofindia.com

157, Slovakia

(Slovensko)

Capital: Bratislava; Other Large Cities: Banska, Bystrica, Zilina; Area: 49,036 Sq. km; Population:5,439,448;Languages: Slovak, Magyar; Religions: Roman Catholic-68.9%, Protestant-10.8%, Greek Catholic - 4.1%, other or unspecified-3.2%, none-13%; Literacy: 100%; Life Expectancy: 74.73; Currency: Koruna (Crown) (\$1=30.13); p.c.l; \$ 16,100; Date of Independence: 14 January. 1993.

Government Type: Parlimentary Democracy; President: Ivan Gasparovic; PM: Robert Fico.

History: The Czechoslovak federal republic was dissolved on Dec. 31, 1992, and the two new republics of Czech and Slovakia were born on Jan. 1, 1993. (See Czech Republic for details).

Slovakia is bounded by Poland, Ukraine, Czech republic, Austria and Hungary.

In the former Czechoslavakia, Slovakia was less industrialised than the Czech land.

Economy: Wheat, barley, potatoes, vegetables, fruits, sugarbeet are the main agricultural products. In 1993, agriculture produced 20% of GDP.

Industry: Metallurgy, engineering, chemical, textile, glass. Main exports are chemicals, plastics, tractors and electronics items. Minerals: Coal, magnesite, metallic ore.

The Danube is the most important river. The underground ice and icicle caves are great tourist attractions, one of the lar-gest being the Demanovska Cave of Freedom.

Recent Events: • Court intervened to end strike by doctors and nurses over pay and sellolfs in the healthcare sector.

Mission In India: Embassy of the Slovak Republic, 50-M, Niti Marg, Chanakyapuri, New Delhi-110021. Tel: 24101015, 26111075; Fax: 26877941.

E-mail:skdelhi@giasd101.vsnl.net.in



Indian Mission In Slovak Republic: Embassy India, Radlinskeho 2, 81002, Bratizlava, Slok Republic. Tel: 00-421-7-52931700

ines); Fax: 00-421-7-5361690 E-mail:eindia@computel.sk Website: www.eindia.sk

58. Slovenia

epublic of Slovenia)



lapital: Ljubijana; Other Large Cities: Aaribor, Celje, Kranj; Area: 20,251 sq.km; opulation: 2,010,347; Languages: lovenian; Religions: Catholic -57.896, Orhodox-2.3%, other Christian-0.9%, Muslim-2.496, unaffiliated-3.596, other or unspecified-13%, none-10.1%; Literacy: 99.7%; Life Expectancy: 76.33; Currency: Tolar (\$1=189.6);).c.i.: \$ 21,600; Date of Independence: 25th une, 1991.

Government Type: Republic; President: Dr. anez Drnovsek; PM: Janez Jansa.

Ethnic breakdown: Slovenes - 91%, oth-:rs- 9%.

History: The Slovenes settled in their curent territory in 6th to 8th centuries but fell inder German domination in the 9th cenury. After 1848, the struggle for unification egan. In 1918, Yugoslavia was established, ind the majority of the Slovenes entered the iew state, which became the Kingdom of the erbs, Croats and Slovenes. Slovenia, the nost affluent Yugoslav republic, declared inlependence on June 25, 1991. In Feb. 1992, EC granted recognition and in May, it was admitted to the UN. It is Croatia's main ally. Slovenia joined the European Union on May 1, 2004

Economy: Wheat, potatoes, maize, timber, livestock are the agricultural products. Industry: Steel, textiles, electricity, motor vehicles, sulphuric acid, bauxite.

Mission in India: Embassy of the Republic of Slovenia, 46, Poorvi Marg, Vasant Vihar, New Delhi-110 057. Tel: 26151249; Fax: 26151247.

E-mail:vnd@mzz-dkp.sigov.si

159. Solomon Islands

Capital: Honiara; Area: 29,758 sq. km.; Popu-



lation: 552,438; Languages: English, Pidgin English, local languages; Religions: Church of Melanesia-32.8%, Roman Catholic-19%, South Seas Evangelical-17%, Seventh-Day Adventist-11.2%, United Church-10.3%, Christian Fellowhip Church-2.4%, other Christian-4.4%, other-2.4%, unspecilied-0.3%, none-0.2%; Literacy: 54%; Life Expectancy: 72.91; Currency: Dollar (\$1=7.22); p.c.i.: \$ 1,700; Date of Independence: 7th July, 1978

Government Type: Parliamentary Democracy; Gov. Gen.: Nathaniel Waena.; PM: Manasseh Sogavare.

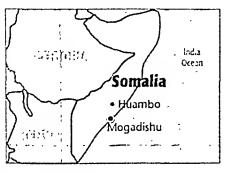
History: The Solomon Islands are in the South West Pacific and lie to the east of Papua New Guinea. Originally a British Protectorate, it achieved independence in 1978. It is a constitutional monarchy with the British Sovereign as Head of State.

The population is predominantly Melanesian.

Economy: Copra is the main cash crop and rice the chief food crop. Other crops: Bananas, yams. Industry: Fish canning, rice milling, food, tobacco. Fish is a vital element in food and an export item.

160. Somalia

(Somalia Democratic Republic)



Capital: Mogadishu; Other Large Cities: Hargeisa, Baidoa, Burao; Area: 637,657 sq. km; Population: 8,863,338; Languages: Somali, Arabic, English, Italian; Religions: Sunni Muslim; Literacy: 37.8%; Life Expectancy: 48.47; Currency: Shilling (\$1=1,340); p.c.i: \$ 600; Date of Independence: 1st July, 1960.

Government Type: In transition; President: Abdullahi Yusuf Ahmed; PM: Ali Muhammad Ghedi.

History: A republic in the Horn of Africa, Somali Democratic Republic was formed by the union of the former Italian Somaliland and the British Somaliland on July 1, 1960. Somalia is essentially a pastoral country, with 80% of people depending on livestock-rearing. It has 40.1 m livestock. Half the population is nomadic.

The year 1992 saw one of the worst famines in Somalia. Ravaged by civil war, the country was in a state of anarchy. Starvation

threatened 50% of the population. Over 800,000 fled to Kenya. Relief elforts were hampered by battles between rival clanfactions. In Jan., 1991 President Siad Barre was toppled, ending 21 years of one-man rule. Somalia has been ruled by feud-ing warloads since the overthrow of Siad Barre.

Ali Mahdi Muhammad (United Somali Congress) became President in Aug. 1991. Interfactional fighting continued. A new coalition government under the chairmanship of Gen. Muhammad Farah Aidid agreed to a UN military presence to back up relief efforts to help famine victims (estimated at 1.5 to 2m.). In Dec. '92, leaders of two of the 14 warring factions, Ali Mahdi Muhammad Muhammad Farah Aidid, agreed to a peace plan under the aegis of the U.N.

In March, '94, the last of the 30,000 American troops who had landed in Dec. '92 left Somalia, closing a chapter in the costliest humanitarian venture in UN history. A peace accord was signed in June, '94 by 19 Somali leaders, but violence continued. In July, '96 there was heavy fighting between Gen. Aidid's forces and the opposing alliance of self-styled interim President Alı Mahdı Mohamed, Gen.Aidid died in August Armed factions controlled different parts of the country. President Abdigasim Salat Hassan and 245 legislators were elected in August, 2000 at a peace conference in Diibouti

It is estimated that the war and the famine have killed at least 350,000 Somalis, UN said in Aug. '99 that a "blackhole of anarchy" prevailed in Somalia

In Somaliland, an unrecognised state, --dependent from Somalia since 1991, artist majority voted in favour of indeperations from the rest of Somalia, in 2000. 🖘 🐃 tias fought for the ports of Kara a ---Bossasso After 1991, clan-bases and or fighting reduced the country can desired flefdoms ruled by heavily arrest Puntland, unrecognised 🗺 🚟

clared independence from Somalia in 1998.

Economy: Sugarcane, bananas, sorghum, maize are the main crops.

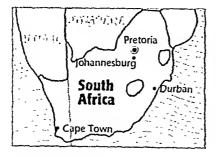
Recent Events: In February 2006, transitional Parliament met in Somalia-in the central town of Baidoa - for the first time since it was formed in Kenya in 2004. In March and May, scores of people were killed and hundreds were injured during fierce fighting between rival militia in Mogadishu. It was the worst violence in almost a decade. In June, militias loyal to the Union of Islamic courts took control of Mogadishu and other parts of the south after defeating clan warlords. Rival Somali administrations accused each other of building up supplies of arms. The Transitional Government based in Baidoa said the Islamic courts in Mogadishu were being armed by Eritrea. The Islamic Court said Ethiopian troops were in the country, supporting the government's limited forces.

Mission in India: Embassy of the Republic of Somalia, A-7, Defence Colony, New Delhi - 110024. Tel: 24619559, 24617453. Telex: 31-65010 ESDR IN

161. South Africa

(Republic of South Africa)

Capital: Pretoria (administrative); Cape Town (legislative); Bloemfontein (judicial); Other Large Cities: Durban, Johannesburg; Area: 1,223,201 sq km; Population: 44.187.637; Languages: Afrikaans, English and 9 other languages; Religions: Zion Christian-11.96. Pen-



tecostal/Charismatic-8.2%, Catholic-7.1%, Methodist-6.8%, Dutch Reformed-6.7%, Anglican-3.8%, other Christian-36%, Islam-1.5%, other-2.3%, unspecified-1.4%, none-15.1%; Literacy: 86.4%; Life Expectancy: 42.73; Currency: Rand (\$1= 6.845); p.c.i:\$12,000; Date of Independence: 31" May, 1910,

Government Type: Republic; Head of State & Govt (President): Thabo M. Mbeki.

History: The Republic of South Africa lies at the southern tip of the continent of Africa. S. Africa includes the original white colonies of the Cape of Good Hope, Natal, Transvaal and Orange Free State. Formerly known as the Union of South Africa (formed in 1910), it became a republic after leaving the Commonwealth in May 1961.

The country adopted a policy of Apartheid, the separate development of racial groups. Self-government was given to Transkei, Bophuthatswana, Venda and Ciskei.There were six other homelands which were territories with a degree of self-government but still forming the part of the Republic, Kwa Zulu, Gazankulu, Lebowa, Qwagwa, Ka Ngwane and Kwa Ndebele. The homelands ceased to exist when apartheid ended.

The year 1990 witnessed softening of the Whites' attitude towards the 26 million agitating blacks. The government lifted the ban on African National Congress, the primary black group fighting to end white minority rule, and its leader 71-year-old Nelson Mandela was released from prison after 27 years of confinement.

However, events of 1992 and 1993 once again worsened the situation and hopes of an end to the South African tragedy began thinning. Sporadic factional violence continued between supporters of ANC and the Zulu Inkatha Party.

Constitutional talks began in Dec. '91but killings interfered, and talks re-opened in Apr. '93.In Dec. parliament adopted a transitional constitution paving the way for a new multiracial parliament to be elected in April, '94. Thus the first general election in S. Africa on the basis of a one-person one-vote system took place on Apr. 26-28 and ANC got 62.25% of votes. On May 10, Mandela was sworn in (the first black) President. South Africa was again admitted to OAU, NAM, Commonwealth and UN General Assembly. A new South Africa was born.

The nine new provinces of South Africa are the Western Cape, the Eastern Cape, Kwazulu-Natal, the Northern Cape, Free State, North-West, Gauteng, Eastern Transvaal, and Northern Transvaal.

On May 8, 1996, South Africa's Constitutional Assembly adopted a post-apartheid constitution.

Economy: South Africa is the richest African country. The major agricultural products are cotton, wheat, maize, tobacco, sugarcane, citrus fruits and dairy products. With vast mineral resources, South Africa is the biggest gold and diamond producing country in the world and one of the biggest producers of uranium. About 47 per cent of the world's total production of gold is from South Africa. Other minerals include coal, copper, tin, manganese, iron, lead and chrome. Manufacturing industries include heavy engineering, chemicals, textiles, steel, plastic and food processing.

South Africa is the only country in the world which, having exploded a nuclear device with US collaboration renounced the nuclear path subsequently and signed both NPT and CTBT. The Truth Commission (1995) headed by Desmond Tutu investigated human rights abuses under apartheid and a report was submitted.

On July 1B, 1998, Nelson Mandela married Graca Machel. He retired in June, '99. Thabo Mbeki took over on June 16.

Recent Events: In May 2006, former Deputy President Jacob Zuma was acquitted of rape charges by the High Court in Johannesburg.

Mission in India: High Commission of the Republic of South Africa, B 18, Vasant Marg, Vasant Vihar, New Delhi-110 057, Tel: 2614 9411-19; Fax: 2614 3605.

E-mail:sahcvisa@now-india.net.in (Visa); highcommissioner@sahc-india.com (High Commissioner).

Website: www.sahc-india.com

Indian Mission in South Africa: High Commission of India, B52, Schoeman Street, Arcadia-0083, Pretoria, South Africa. Tel: 00-27-12-3425392; Fax: 00-27-12-3425310. Email:dhc@iafrica.com

162. Spain

(Espana)

Capital: Madrid: Other Large Cities: Barcelona, Valencia, Seville; Area: 504,750 sq km; Population: 40,397,842; Languages: Spanish, Catalan, Basque, Galician; Religions: Roman Catholic-94%, others-6%; Literacy: 97.9%; Life Expectancy: 79.65; Currency: Euro (\$1=0.79); p.c.i.: \$ 25,500; Date of Independence: 1492.

Government Type: Parliamentary Monarchy; Head of State: King Juan Carlos I. PM: Jose Luis Rodriguez Zapatero.

History: With the discovery of America for Spain by Columbus in 1492, Spain became a great colonial empire. After the defeat of the Spanish Armada by England in 1588, Spain shrunk into a minor continental power. In



1939, it passed under the dictatorship of Gen. Franco. On Franco's death in 1975, Spain became a constitutional monarchy. In 1981, there was an unsuccessful coup attempt. The Socialist Workers' Party won four consecutive general elections from 1982 to '93. In 1996, a coalition of conservative and regional parties came to power. Spain is one of the 25 members of the European Union.

In 1980, Catalonia and the 8asque country were given autonomy. 8asque extremists have continued their campaign for independence. The moderate nationalist 8asque party, PNV emerged triumphant in May, 2001 elections in 8asque province. Basque voters made it clear that they neither favour ETA's terror campaign nor approve of Govt's no-dialogue stand.

Economy: The economy (\$828 b.) is the ninth largest in the world. Contribution of farming and fishing to overall GDP is about 4% only (This was 65% in the 60s), industry contributes 31%., and services 65%.

Main crops are cereals, grapes, olives, vegetables and fruits. Industries include chemicals, machine tools, automobiles, ship-building, steel, textiles and processed foods, paper, cement.

Recent Events: In January 2006, Lt. Gen. Jose Mena Aguado was sacked as head of army ground forces after suggesting that the military might take action in Catalonia if the region gained too much autonomy. In March, Eta declared ceasefire. In June, voters in Catalonia backed proposals to give the region greater autonomy as well as the status of a nation within Spain. In July, dozens of people were killed in an underground train crash in the eastern city of Valencia.

Mission In India: Embassy of Spain, 16, Sunder Nagar, New Delhi-110003. Tel: 24359004-7; Fax:24359040, 24359008.

E-mail:embspain@vsnl.com

Consulate: Mumbai: Tel: 22874797, Fax: 22043625; Calcutta: Tel: 24695954, Fax:

24691283, 24692143; Chennai: Te 24942008, Fax: 24616978.

Indian Mission in Spain: Embassy of Indi Avendia Pio XII 30-32, 28016, Madrid, Spai Tel: 00-34-911-3450406, 3450265; Fax: 01 34-91-3451112 (Embassy).

E-mail:comind@accessnet.es

Website: http://www.visualware.es/indi

163. Sri Lanka

(Democratic Socialist Republic of Sri Lank Sri Lanka Prajathanthrika Samajava Janarajaya



Capital: Colombo; Other Large Cities: Kand Jaffna, Galle; ; Area: 65,610 sq.km.; Popul tion: 20,222,240; Languages: Sinhala, Tan & English; Religions: Buddhist-69%, Hind 15%, Christian-8%, Muslim-7%; Literac 92.3%; Life Expectancy: 73.41; Currency: R pee (US\$1=103.57); p.c.l: \$ 4,300; Date Independence: 4th February, 1948.

Government Type: Republic; Presider Mahinda Rajapakse;

Sri Lanka is an island in the Indian Ocea about 80 km east of the southern tip India.

History: Known to the ancient world Taprobane and later as Serendip, the islar was also known as Lanka, Sinhala Deepa ar Seelan at different times. Until 1972, it w. Ceylon. The country became independent of 4 February 1948 and on 22 May the Repullic of Sri Lanka was created.

8efore the new republican constitution was promulgated, a youth Insurrection in Ap-



971 rocked prime minister Sirimavo andaranaike's (world's first woman PM) nited Front government, leading to her imosing several harsh socialist measures. By the 977 general election, a country tired of enemic scarcities and rising prices swept her ut of office.

The United National Party (UNP) adminisation of Prime Minister Junius Jayewardene hich took over, replaced the 1972 constituon and Jayewardene assumed unprecdented power as executive president, beoming both head of state and head of govrnment. He was elected to a second six-year erm in October 1982, and in a referendum on a mandate to extend parliament to 989. In late 1988, former prime minister anasinghe Premadasa was elected executive resident for a 6-year term.

The Tamils in Sri Lanka have been fighting or more power for over a decade. In 1978, ome concessions such as the recognition of ne Tamil language were made, TULF -Tamil nited Liberation Front-spearheaded the agiation. Later more militant organisations like ne LTTE-Liberation Tigers of Tamil Eelamnd EPRLF-Eelam People's Revolutionary Libration Front joined the struggle. More than 4,000 have died in the civil war.

On 29 July 1987, however, an important reakthrough was made when President ayawardene and the Indian PM, Rajiv Gandhi igned an accord regarding a settlement of he country's ethnic crisis. Accordingly an PKF-Indian Peacekeeping Force-was sent to he island to end the hostilities and supervise urrender of arms. After a long period of ploody military operation, the IPKF started pulling out its forces on Sept. 20, 1989.

In November, Parliament adopted the legslation establishing provincial councils. In the dection held in the North Eastern Province inder the Peace Plan, Varadaraja Perumal of PRLF became Chief Minister.

President Ranasinghe Premadasa lifted the

emergency after more than 51/, years on January 11, 1989 and general elections were held in February. United National Party won and the former Finance Minister D.B. Wijetunge was appointed Prime Minister.

President R. Premadasa, 69, was assassinat-ed by a suicide bomber on May 1, 1993 and the Prime Minister D.B. Wijetunge, 71, was elected President, Ranil Wickremasinghe was appointed Prime Minister.

Parliamentary elections were held on 19 August 1994, and Chandrika Kumaratunga formed the government.

After the Presidential elections of 9 Nov., Chandrika Kumaratunga became President. Under the new government, her mother Sirimavo Bandaranaike was made Prime Minister, Mrs. Bandaranaike died on Oct. 10, 2000.

War between northern Tamil separatists and govt. forces continued, in spite of a ceasefire of Jan. 3, 1995. In Jan. '98, the govt. outlawed LTTE. Jaffna Mayor Ms. Sarojini Yogeswaran was assassinated by LTTE in May. In Aug., the public emergency was extended to all over Sri Lanka.

Economy: Sri Lanka's predominantly rural population is concentrated in the west, south and south-west regions, where rubber, tea and coconuts are grown. About one-half of the working population are engaged in agriculture, forestry and fishing, and only agriculture provides 21% of the gross domestic product (GDP). Of the total area of 6,561,000 hectares, about 2m, hectares are under cultivation. Agriculture engages about 45% of the labour force. The main crops are paddy, rubber, tea and coconuts

In 1978, Sri Lanka was the world's largest exporter of tea, when tea, rubber, and coconut together contributed about 70% of total export earnings. This position gradually declined. However, early 1990s showed sages of revival. The 1993-97 plan aimed at a " annual growth rate. The main indust food, beverages, tobacco, texties

and leather goods, chemicals, petroleum, rubber and plastics. Principal exports are tea, rubber, copra, coconut oil and desiccated coconut, textiles and garments, precious and semi-precious stones. Gems are among the chief minerals mined and exported. Principal imports are petroleum, machinery and equipment, vehicles transport equipment and food and beverages.

Experimental television broadcasting began in April 1979. Roopavahini, a national television network was established, with stations at Mount Pidurutalagala, Kokavil and Kandy, from which telecasting began in December 1982.

Recent Events: In Februay 2006, government and Tamil Tiger rebels declared their respect for the 2002 ceasefire at talks in Geneva. In April, explosions and rioting in Trincomalee, in the north-east, left 16 people dead. Police blamed Tamil Tiger rebels for the blasts, which came amid a marked escalation in deadly violence. In June, 64 people were killed in a mine attack on a bus in Anuradhapura district. Days later, more than 30 people were killed in a land and sea battle between government forces and Tamil Tiger rebels.

Mission in India: High Commission for the Democratic Socialist Republic of Sri Lanka, 27-Kautilya Marg, Chanakyapuri, New Delhi -110021. Tel. 23010201-03; Fax:23793604.

E-mail:lankacom@del2.vsnl.net.in

Deputy High Commission of the Democratic Socialist Republic of Sri Lanka, 196, T.T.K. Road, Alwarpet, Chennai-600 018. Tel. 4987896, 4987612; Fax: 4987894.

India: Mumbai

E-mail:sldehico@md3.vsnl.net.in

Consulate: Consulate General of the Democratic Socialist Republic of Sri Lanka

"Sri Lanka House", 34 Homi Mody Street Mumbai - 400 023, India. Tel : 2045861, 204803; Fax: 2876132

E-mail: slcon@bom5.vsnl.net.in

Indian Mission in Sri Lanka: High Commission of India, 36-38, Galle Road, P.O.8ox No. 882, Colombo 3, Sri Lanka. Tel: 00-94-1-421605, 422788, 422789; Fax: 00-94-1-446403, 448166.

E-mail:hcicmbol@sri.lanka.net

164. St. Kitts-Nevis

(Federation of St. Kitts and Nevis)



Capital: Basseterre; Area: 269 sq km; Population: 39,129; Languages: English and Patois; Religions: Anglican, Other Protestant, Roman Catholic; Literacy: 97.8%; Life Expectancy: 72.4; Currency: East Caribbean Dollar (\$1=2.66); p.c.i.: \$8,800; Date of Independence: 19th September, 1983.

Government Type: Constitutional Monarchy; Gov. Gen.: Cuthbert M. Sebastian. PM: Dr. Denzil Douglas.

History: St. Christopher (Kitts)-Nevis is two islands in East Caribbean separated by a narrow channel 3.2 km wide. The islands were given the status of an Associate State of the U.K. in 1967 and became independent on Sept. 19, 1983. At that time Anguilla was part of St. Kitts-Nevis. The Anguillans revolted against this arrangement and Anguilla was separated. Nevis has the right of secession.

In August, '98, the 62% of people of Nevis (population: 9000) voted in favour of leaving the federation, but failed to reach the two-thirds majority needed for secession.

The population is mostly black.

Economy: The economy is agricultural, coton and sugar being the principal crops. Indusies: Sugar, construction, clothing, tourism.

apital: Castries; Area: 616 sq km: Popula-

65. St. Lucia

on: 168,458; Languages: English and French atois; Literacy: 80%; Religions: Roman atholic-67.5%, Seventh Day Adventist-.5%, Pentecostal-5.7%, Anglican-2%, Evanelical-2%, other Christian-5.1%, Rastafarian-.1%, other-1.1%, unspecified-1.5%, none-.5%; Literacy: 90.1%; Life Expectancy: 3.84; Currency: East Caribbean Dollar \$1=2.70); p.c.i.: \$ 5,400; Date of Indepenlence: 22[™] February, 1979.

Government Type: Parliamentary Democacy; Gov. Gen.: Calliopa P. Louisy; PM: lenny Anthony.

History: St. Lucia, in Eastern Caribbean, is he second largest island in the Windward roup. Volcanic in origin. St. Lucia was ceded o Britain by France in 1814. Self-government vas granted in 1967. It became indepenlent on Feb. 22, 1979. There is a 17-seat louse of Assembly.

Economy: The economy is agricultural, coonut, bananas and cocoa being the main rops: Manufactures include soap, plastics, arments and beer.

166. St. Vincent & The Grenadines

Capital: Kingstown; Area: 388 sq km; Populaion: 117,848; Languages: English and French atois: Religions: Anglican-47%, Methodist-28%, Roman Catholic-13%, Hindu, Seventh-Day Adventist, Other Protestant; Literacy: 96%; Life Expectancy: 73.85; Currency: East Canbbean Dollar (\$1=2.70); p.c.i.: \$ 2,900;

Government Type: Parliamentary Democracy; Gov. Gen: Sir Fredrick Nathaniel Ballantyne; PM; Ralph E Gonsalves.

Date of Independence: 27th October, 1979.

History: One of the Windward islands, west

of Barbados, St. Vincent became a British Associated State in 1969 and achieved independence on Oct. 27, 1979.

St. Vincent (345 sq.km.), chief island of the chain, is dominated by the volcano La Soufriere. (It erupted in 1979). The Grenadines is a chain of islets with a total area of 43 sq.km.

The population is of mixed origin: European-Negro and Carib-Indian.

Economy: Bananas, arrowroot, copra, sea island cotton and spices are the main products. Industry: Food-processing, electronic equipment assembly, garments, tourism.

167. Sudan

(Republic of the Sudan) Jumhunyat as-Sudan



Capital: Khartoum; Other Large Citles: Omdurman, Port Sudan; Area: 2,505,813 sq. km; Population: 41,236,378; Languages: Arabic, English, Dinka, Nubian etc.; Religions: Sunni Muslim-70% (in the north), indigenous beliefs-25%, Christian-5% (mostly in the south and in Khartoum); Literacy: 61.1 %; Life Expectancy: 58.92; Currency: Dinar (\$1=219.145); p.c.l.: 2,100; Date of Independence: 1st January, 1956.

Government Type: Republic with strong military influence; Head of State and Covt (President): Lt. Gen. Omar Hassan al-Bashir.

History: The Sudan, the largest African country, is a republic in north east Africa. The White Nile flows through the middle of the country and joins the Blue Nile at Khart

Sudan became a sovereign independent republic in Jan., 1956.

The 12 northern provinces are predominatly Arab-Muslim, and the 3 southern provinces are populated largely by Christians and animists.

The Sudanese People's Liberation Army (SPLA) (the mainstream rebel group which has been fighting for 16 years to free mainly Christian and animist south Sudan from domination by Islamic, Arabised north) maintains guerilla activities in the south. 1.5m. people have been dead from violence and famine.

In Apr. '97, Sudan's Islamic government and four southern rebel groups signed a peace treaty to end the civil war, by which a referendum is to be held after four years for Southerners to decide whether to secede or remain in Sudan. Famine and starvation were reported to be the worst in 1998. UN World Food Programme were flying in food as SPLA called a unilateral ceasefire in their fight with the north. Peace talks in Addis Ababa failed in August.

Economy: The main agricultural crop sorghum is the country's staple food and cotton is the most important cash crop and main export. Other products include gum arabic (world's principal producer), sugarcane, sesame, peanuts, dates, hides and skins, chillies, beans and com. Forests cover about one-fifth of the land area, and most productive woodland is state-owned. Sudan's mineral wealth includes copper, gold, iron and oil. Industry: Textiles, food processing.

Recent Events: In May, Khartoum government and the main rebel faction in Darfur signed a peace accord. Two smaller rebel groups rejected the deal. In July, US President George Bush renewed calls for UN peacekeepers to be allowed into Darfur, saying the existing African Union troops needed to be complemented.

Mission In India: Embassy of the Republic of Sudan, Plot No.3, Shantipath,

Chanakyapuri, New Delhi-110021. Tel: 26873785, 26873746; Fax: 26883758.

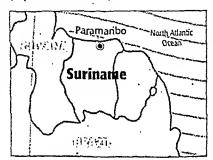
E-mail:sudandel@del3.vsnl.net.in

Indian Mission in Sudan: Embassy of India, P.O. Box 707, 61- Africa Road, Khartoum-II, Sudan. Tel:00-249-11-451202, 451031; Fax: 00-249-11-472266.

E-mail:indembsdn@yahoo.com/india2 sudan@yahoo.com

168. Suriname

(Republic of Suriname)



Capital: Paramaribo; Area: 163,820 sq km; Population: 439,177; Languages: Dutch, English, Hindi, Sranantongo (Suri-namese) and Javanese; Religions: Hindu-27.4%, Muslim-19.6%, Roman Catholic-22.8%, Protestant-25.2% (predominantly Moravian), indigenous beliefs-5%; Literacy: 88%; Life Expectancy: 69.01; Currency: Gulden/Suriname Guilder (\$1= 2.74); p.c.i.: \$ 4,100; Date of Independence: 25th November, 1975.

Government Type: Republic; President: Ronald Venetiaan; Vice President & PM: Ram Sardjoe

History: Suriname, formerly Dutch Guyana, lies on the north east coast of South America. It became independent in 1975.

A Military Council came to power in 1982. In 1987 civilian rule was restored. Political turmoil continued, with its adverse effects on the economy.

A boundary dispute between Suriname

and Guyana flared in June, 2000.

Ethnic groups: Creole 35%; Indian 33%; Javanese 16% Bushnegroes (Blacks) 10%; Amerindian 3%.

Economy: The economy is very dependent on exports and imports. Much of the land is given to rice cultivation, managed by Hindustanis. The country is nich in bauxite. Bauxite, alumina and aluminium constitute nearly 80% of the exports. Industry: Aluminium, processed foods, lumber.

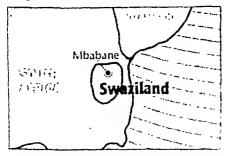
Mission in India: Embassy of the Republic of Suriname, C-15, Malcha Marg, Chanakyapuri, New Delhi-110 021; Tel: 26888435, 26888454; Fax: 26888450.

E-mail:emsurnd@mantraonline.com Indian Mission in Suriname: Embassy of India, 10, Rode Kruislaan, Post Box No. 1329, Paramaribo, Suriname. Tel: 00-597-498344, 498018; Fax: 00-597-491106.

E-mail:ambindia@sr.net /india@sr.net.

169. Swaziland

(Kingdom of Swaziland) Umbuso weSwatini



Capital: Mbabane; Other Large Cities: Lobamba, Manzini; Area: 17,363 sq km. Population:1,136,334; Languages: English and Swazi; Religions: Zionist (a combination of Christianity and indigenous ancestral worship) -40%, Roman Catholic-20%, Muslim-10%.; Literacy: 81.6%; Life Expectancy 32.62; Currency: Lilangeni (pl.-emalangeni) (\$1=6.84); p.c.l.: \$ 5,000; Date of Independence: 6th September, 1968.

Government Type: Constitutional Monarchy; Head of State: King Mswatl III. PM: Absdom Themba Dlamini.

Swaziland is surrounded almost entirely by South Africa. Mozambique to the east Is its only other neighbour.

History: Swaziland, formerly a British protectorate, attained independence on Sept. 6, 1968. In 1973, the king assumed full powers. Political parties were banned in 1978. The 1990s saw moves towards a multiparty system.

The royal house of Swaziland is one of Africa's last ruling dynasties. The population is homogenous, of Nguni descent.

Economy: Sugar is the principal item in the economy, with citrus fruits, cotton, rice and maize, coming next. But the main wealth of the Swazis is cattle. There are considerable mineral reserves, especially, asbestos, iron and coal Industry Wood pulp, cotton ginning and meat processing.

Recent Events: In March 2006, 16 opposition activists from the banned Pudeno party were freed on bail after being charged in December and January over series of petrol bomb attacks. The European Union banned more than 90 airlines, including six registered in Swaziland, in a move to boost air safety, In April, South African police fired at protesters trying to blockade a border crossing with Swaziland to demand political reform there

Mission in India: Embassy of Swazdard Stitioned at Kuala Lumpur.

170. Sweden

(Kingdom of Sweden) Konungaria Capital: Stockholm; Other === Cotecorg, Malmo, Uposaur 425 sq km Population: 9,035 55 --Swedish, Religions: Later-Citrone Orthodox, 3umi-Buddhist, Literacy, 30 30 ST Currency:



\$29,800; Date of Independence states, 1523.

Government Type: Constitutional Monarchy; Head of State: King Carl XVI Gustaf. PM: Goran Persson.

History: Sweden which occupies the eastern part of the Scandinavian peninsula, is the largest of the Nordic countries and in terms of area, the fourth largest country in Europe. Mountains cover 25% of the country. A constitutional monarchy since 1434, Sweden is the world's first widely comprehensive welfare state. Stockholm is known as "Beauty on the Sea".

Economy: Sweden has rich natural supplies of coniferous forest, water power, iron ore and uranium.

Highly industrialised, Sweden today exports 40% of its industrial production. Major industries: Steel, machinery, instruments, autos, ship building and paper. Main crops: Grains, potatoes, sugar beets and dairy products. Forests (half the country) yield 16% of exports.

Sweden entered the EU on Jan. 1, 1995 but decided against joining NATO.

in 2000, Sweden voted in favour of adopting euro as its currency.

Recent Events: Foreign Minister Laila Freivalds resigned amid row over her ministry's involvement in closure of website which had been due to publish controversial cartoons depicting prophet Mohammad.

Mission in India: Embassy of Sweden, Nyaya Marg, Chanakyapuri, New Delhi-110 021. Tel: 24197100; Fax: 26885401, 26885540.

E-mail: ambassaden.new-delhi@foreign. ministry.se Web: www.swedenembindia.com

Indian Mission in Sweden: Embassy of India, Adolf Fredriks Kyrkogata 12, Box 1340, 111 83 Stockholm, Sweden. Tel: 00-468-107008; Fax: 00-468-248505.

E-mail:information@indianembassy.se

171. Switzerland

(Swiss Confederation)



Capital: Berne; Other Large Cities: Zurich, Basel, Geneva, Lausanne; Area: 41,293 sq.km.; Population: 7,523,934; Languages: German, French, Italian and Romansch; Religions: Roman Catholic-41.8%, Protestant-35.3%,orthodox-1.8%, other Christian-0.4%, Muslim-4.3%, other-1%,unspecified-4.3%, none-11.1%; Literacy: 99%; Life Expectancy: 80.51; Currency: Franc (\$1 = 1.23); p.c.l.: \$32,300; Date of Independence: 1st August, 1291.

Government Type: Federal Republic; President: Monitz Leuenberger

Switzerland, a Confederation in Central Europe is a mountainous country, with the Alps covering 60% of the land area. The country is famous for its lakes. About one-fourth of the area is covered by mountains and glaciers.

History: Since 1291, Switzerland (called Helvetia in ancient times) has remained a completely independent country, and has not

involved in a foreign war since 1515. resident is elected to a nonrenewable ear term. It is a multi-lingual state with people speaking more than one lan-. It has 1.24 million foreign residents. ferendum in 1986, the electorate voted st joining the UN. In 1971, women given the vote in federal elections and ght to hold federal office. Switzerland i (June '97) NATO's security cooperapact called the Patnership for Peace.

onomy: The Swiss terrain offers little lor farming. Nearly half the nation's has to be imported. Mountain slopes de pasture for beef and dairy cattle. s include grains, potatoes, sugar beets, ables, fruits and wine. Forests help by ding plenty of wood. From the earliest , Switzerland has been famous for its ge industries-high quality products but rge-scale production. Agricultural secorms only 3.2% of GNP. riss-made watches and clocks are famous

vorld over. Precision tools and machines

another specialised industry. Fabrics and are part of Switzerland's image. Other stries: Steel, textiles, food-stuffs (cheese, olate), chemicals, drugs, banking. The neering, electrical and metal industry acits for 45% of total exports. Minerals: Salt. availability of electric power in every cothas fostered growth of all kinds of small stries throughout Switzerland. Domestic international tourism are important facin the Swiss economy. Of a total revenue 2.4 billion Swiss Francs in 2001, 9.7 bil-(or 43%) came from domestic tourism. enditure by foreign visitors in Switzerland ed some 12.7 billion Swiss Francs (3% of P). Switzerland is a leading world bankcentre and the seat of many UN and other irnational agencies. The nation's strict ik-secrecy rules have been eased since 10. Geneva was the headquarters of the ique of Nations,

Swiss voters approved the modernisation of the country's 125-year old constitution in April, 99. The new document enshrined new rights, including the right to strike.

Indla: Mission in Nyaya Chanakyapuri, New Delhi-110 021. Tel: 26878372-74, 26878534; Fax: 26873093.

E-mail: Vertretung@ndh.rep.admin.ch

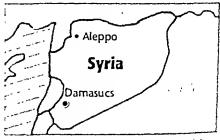
Consulate: Mumbai: 102, Chambers's IV, 10th Floor, 222, Jamna Lal Bajaj Marg, Nariman Point, Mumbai-400 021, Tel: +91 22-22884563-5/22831738, E-mail: vertretung@mum.rep.admin.ch

Indian Mission in Switzerland: Embassy of India, Kirchenfeldtrasse 28, Postfach 406, CH-3000, Berne-6, Switzerland. Tel: 00-41-31-3511110; Fax: 00-41-31-3511557.

E-mail:india@spectraweb.ch

172. Syria

(Syrian Arab Republic)



Capital: Damasucs; Other Large Cities: Aleppo, Homs, Hama; Area: 185,180 sq.km.; Population: 18,881,361; Languages: Arab.c. Kurdish, Armenian; Religions: Sunni Musim-74%. Alawite, Druze, and other Muslim sects-16%, Christian (various sects)-10ਜ਼ੇ, ਵਿਕਾਰੀ Literacy: 76.9%; Life Expectancy: 70.32 Currency: Syrian Pound (\$1=52.21) pcz \$ 3,900; Date of Independence 17" April, 1946.

Government Type: Republic (Labor man tary regime); Presidentific of the publication Muhammad Naji al-O:

The Syrian Arab 🤄

at the eastern end of the Mediterranean Sea. The Orontes and Euphrates rivers pass through Syria. The chief seaport is Latakia.

History: Syria, the seat of an ancient civilization, became a fully independent sovereign republic in 1946.

Syria joined with Egypt in 1958 in the United Arab Republic but seceded in 1961, Principal towns are Damascus, Aleppo and Homs.

Syria has been involved in the Arab-Israeli conflict since 1948. Syria's negotiations with Israel haven't made much headway.

Economy: Agriculture and cattle-breeding comprise the major occupations of the people. The chief crops are cotton, wheat, tobacco and olives. Minerals: Oil, phosphate, gypsum. Industries include oils, soap, textiles, leather, tobacco, sugar and glassware.

Recent Events: In February 2006, Danish and Norwegian embassies in Damascus were set on fire during a demonstration against cartoons in a Danish newspaper satirising the prophet Muhammad. In July, thousands of people fled into Syria to escape Israel's bombardment of Lebanon.

Mission in India: Embassy of Syrian Arab Republic, D-5/8, Vasant Marg, Vasant Vihar, New Delhi - 110057. Tel: 26140233; Telefax: 26143107.

Indian Mission in Syria: Embassy of India. 4046, Adnan Malki Street, Yassin Nouwelati Building, P.O. Box 685, Damascus, Syria. Tel: 00-963-11-3739081/83; Fax: 00-963-11-3316703.

E-mail: indembasy@cyberia.net.lb

173. Taiwan

(Republic of China) Chung-hua Min-kuo Capital: Taipei; Other Large Citles: Kaohsiung, Taichung ; Area: 35,981 sq.km.; Population: 23,036,087; Languages: Mandarin Chinese, Taiwan, Hakka dialects; Religions: Buddhist, Confucian and Taoist-93%, Chris-

tian-5%; Literacy: 96.1%; Life Expectancy: 77.43; Currency: New Taiwan Dollar (\$1=32,467); p.c.l: \$ 27,600.

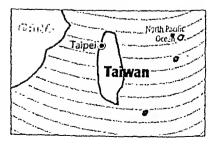
Government Type: Democracy; President: Chen Shui-bian, PM: Su Tseng-chang

Taiwan, off southeast coast of China and formerly known as Formosa, includes the island of Taiwan, two off-shore islands Quemoy and Matsu, and the nearby islets of the Pescadores chain.

History: Originally Taiwan and adjoining areas were Chinese territory. In 1950, Chiang Kai Shek made Taiwan the headquarters of the Nationalist Republic of China. Although Taiwan still claims to be the legal government of China it lost its membership in the UN and its permanent seat in the Security Council to Communist China in 1971.In 1987, martial law was lifted after 38 years and in 1991, the 43-year period of emergency rule ended. In May, '96 Lee Teng-Hui stormed to a resounding victory in the island's first direct presidential election.

Taiwan has one of the world's strongest economies and is among the 10 leading capital exporters. Taiwan has foreign exchange reserves worth over \$175 b.

According to an official source, Taipei wants to be reunited with China, but not at present. Taiwan is interested in joining international organisations. In Aug. '99, China accused Taiwanese President Lee Teng-Hui of taking a 'dangerous' step towards splitting the country. Teng-Hui said 'One China' was possible but only under a democratic



union with China's mainland. China threatened to invade Taiwan if the President's statehood call was made the official stand.

Economy: The main agricultural products are rice, tea, sugar, sweet potatoes, bananas, jute and turmeric. Camphor secured from forests is a government monopoly. Industries comprise iron works, glass, soap, textiles, clothing, electronics, chemicals, plastics and processed foods. Coal, marble, petroleum and natural gas are the principal minerals. Taiwan has made big progress in agriculture and industry and the living standards have gone high, as a result of land reform, government planning, free universal education and U.S. aid and investment.

More than half a century of Nationalist Party rule ended when Opposition leader Chen Shui-Bian (Democratic Progressive Party) was elected in March, 2000).

Recent Events: In February 2006, Taiwan scrapped the National Unification Council, a body set up to deal with reunification with the mainland. China said the decision could bring "disaster". Under pressure over corruption allegations against a family member, President Chen ceded some of his powers to the Prime Minister.

174. Tajikistan

(Republic of Tajikistan)

Capital: Dushanbe; Other Large Citles: Khudzand, Kulyab; Area: 143,100 sq.km.; Population: 7,320,815; Languages: Tadzhik,



Russian; Religions: Sunni Muslim-85%, Shì'a Muslim-5%; Literary: 99.4%; Life Expectancy: 64.94; Currency: Tajilk Ruble (\$1=3.23); p.c.i: \$ 1,200; Date of Independence: 9th September, 1991.

Government Type: Republic; President: Imamali Rakhmonov: PM: Akil Akilov.

History: A former Soviet republic that became independent in 1991, Tajikistan is bordered by Uzbekistan, Kirghizia, China and Afghanistan.

People who speak an Iranian dialect similar to Persian are considered to be the descendants of the original Aryan population of Turkestan.

In Nov. '92, Parliament voted to abolish presidency and instal a parliamentary republic. A pro-communist regime came in Jan. '93. In Nov. '94, a constitution establishing a presidential system was approved. Muslim rebels continued to fight the regime.

In June '97, government and opposition leaders signed a peace treaty ending five years of bloody civil war. In August, fighting was reported among pro-government warlords. Russia supported President Rakhmonov.

Economy: Farming, horticulture and cattle breeding are the main occupations. Products: Grain, potatoes, vegetable, fruit, grapes, meat, milk, eggs, wool, cotton. Natural resources: Brown coal, lead, zinc, oil, uranium, radium, arsenic.Industry: Mining, engineering, food, textile, clothing, silk, bricks, ferroconcrete, knitwear, footwear.

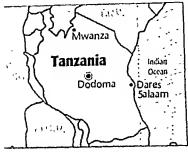
Recent Events: In January 2006, 20 people were kille when an avalanche enquifed an apartment block in mountainous region northeast of Dushanbe, Galfor Mirzoyev, former top military commander, was sentenced to life imprisonment in August after being convicted on charges of terronsm and plotting to overthrow government. His spporters said the trial was politically motivated.

Mission in India: Hon. Cc

stan, Hotel Crowne Plaza 5urya, New ds Colony, New Delhi-110 065. Tel: 5070 Extn: 1155 & 1220; Fax: 26836288. dlan Misslon In Tajikistan: Embassy of In-15, Bukhoro 5treet (Formerly Sveridenko t), Dushanbe, Tajikistan. Tel: 00-992-217172,211803; Fax: 00-992-372-145, 510035. mail:eoi@netrt.org

5. Tanzania

ited Republic of Tanzania)



ipital: Dodoma; Other Large Cities: Dar es laam, Mwanza; Area: 945,087 sq.km.; ipulation: 37,445,392; Languages: Kiswahili id English; Religions: Mainland-Christian-3%, Muslim-35%, indigenous beliefs-35%, anzibar-99% Muslim; Uteracy: 78.2%; Life xpectancy: 45.64; Currency: Shilling i1=1,269); p.c.i: \$ 700; Date of Indepenence: 26th April, 1964

Government Type: Republic; President: ıkaya Kikwete.

History: The United Republic of Tanganyika nd Zanzibar was constituted on April 26, 964 (named Tanzania on Oct. 29), when the Republic of Tanganyika in East Africa and the island Republic of Zanzibar ('the Isle of Cloves'), off the coast of Tanganyika, joined into a single nation.

Three of Africa's best-known lakes-Victoria, Tanganyika and Nyasa-and Mount Kilimanjaro – the highest in Africa – are in Tanzania.

President Julius K. Nyerere dominated Tanzanian politics until he resigned in 1985. In 1967, the government set on a socialist course, and nationalised banks and many industries.

The country firmly abandoned socialist policies and switched over to a market-based system more than 14 years ago. Privatisation of the economy was undertaken in the 1990s. The process of economic recovery, however, has been painfully slow.

Economy: The economy is agricultural. The chief cash crops are sisal, sugarcane, cotton, tea, tobacco and coffee. Cloves are grown on the islands, chiefly in Pemba. Livestock is extensively raised. Diamonds are an important export. Other minerals include gold, tin and salt. Industry: Food processing and clothing.

Recent Events: In April 2006, High Court outlawed traditional practice of entertaining candidates during elections. Critics of "Takrina" - the giving of tips-said it encouraged corruption.

Mission in India: High Commission for the United Republic of Tanzania, 10/1, 5arv Priya Vihar, New Delhi-110 016; Tel: 26853046-47; Fax: 26968408.

E-mail: tanzrep@del2.vsnl.net.in

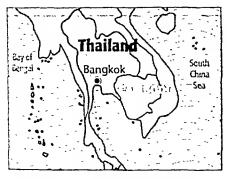
Indian Mission In Tanzania: High Commission of India, NIC Investment House, Samora Avenue, 7th & 8th Floor, Wing 'A', P.O. Box 2684, Dar-es-Salaam, Tanzania. Tel: 00-255-22-2117175; Fax: 00-255-22-2118761/2116551.

E-mail:hcitz@cats.net.com

176. Thailand

(Kingdom of Thailand) Muang Thai or Prathet Thai

Capital: Bangkok; Other Large Citles: Songkhla, Chiang Mai; Area: 513,115 sq.km.; Population: 64,631,595; Languages: Thai, Lao, Chinese, English and Malay; Religions:



Buddhist-94.6%, Muslim-4.6%, Christian-0.7%, others-0.1%; Literacy: 92.6%; Life Expectancy: 72.25; Currency: Baht (\$1=38.46); p.c.l: \$ 8,300; Date of Independence: 1238.

Government Type: Constitutional Monarchy; Head of State: King Bhumibol Adulyadej Abldet; PM: Thaksin Shinawatra.

Thailand, formerly known as Siam, is a southeast Asian country.

History: An ancient autocracy, it became a constitutional monarchy in 1932. In 1948, the country assumed its present name Thailand. It is the only southeast Asian country never taken over by a European power. The military took over the govenment in a bloody 1974 coup. In 1988, there was a democratic election but again military came to power in 1991. General elections were held in July, '95.

Thailand was well on its way to joining the club of Asia's 'economic tigers', when crisis deepened early '98 and the country appealed for help from G-7, and began implementing linancial reforms.

On June 9, 1996 King Bhumibol, currently world's longest reigning monarch, completed 50 years on the throne.

In 2000, the Chakri dynasy marked the 200th anniversary.

Economy: Agriculture is the mainstay of the country and engages 60 per cent of the population. The chief crop is rice and Thailand is world's biggest rice exporter - target for 1996 was 5m. tons. Coconuts, tobacco, cotton and teak are the other items of agricultural exports. During the last decade Thailand increased her export of manufactured and processed items, Industry: Cement, processed food, textiles, wood, tin, jewelry. Minerals include tin (one of the largest producers), manganese, tungsten, antimony, lignite and lead. Since 1982 tourism has been Thailand's largest revenue eamer.

Recent Events: In April-May 2006, snap election called by the Prime Minister amid mass rallies against him, was boycotted by the opposition and was subsequently annulled, leaving a political vacuum. The Prime Minister took a seven-week break from politics.

Mission in India: Royal Thai Embassy, 56-N, Nyaya Marq, Chanakyapun, New Delhi -110 021. Tel: 26118103; Fax: 26872029.

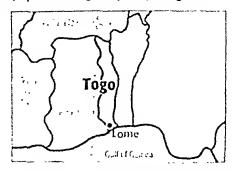
E-mail:thaidel@mfa.go.th

Indian Mission in Thailand: Embassy of India, 46, Soi 23 (Prasanmitr) Sukhumvit Road, Bangkok-10110, Thailand. Tel: 00-66-2-258-0300 to 6; Fax: 00-62-2-2584627, 2621740.

E-mail:indiaemb@mozart.inet.co.th

177. Togo

(Republic of Togo) Republique Togolaise



Capital: Lome, Area: 56,785 sq.km.; Population: 5,548,702, Languages: French (official) and tribal fanguages; Religions: indigerವಾಗಿ beliefs-51%, Christian-29%, Musi Literacy: 60 9%, Life Expectange

ency: CFA Franc (\$1=518.98); p.c.i: \$ 1,700; late of Independence: 27th April, 1960.

Government Type: Republic; President: aure Gnassingbe; PM: Edem Kodjo.

History: The Republic of Togo, formerly ogoland, lies on the west coast of Africa orming a narrow strip stretching from the ulf of Guinea north to Burkina Faso. Gained idependence on Apr. 27, 1960. The first

idependence on Apr. 27, 1960. The first ulti-party elections were held in 1994. In 18, President Eyadema was re-elected.

Economy: The principal products are cofee, cocoa, cotton, palm kernels, kapok and roundnuts. Togo's considerable natural resurces are still largely undeveloped. Phoshates, now being mined in increasing uantities, form the country's principal exort, Industry: Textiles, shoes, handicrafts, agcultural processing.

The 36th summit of Organisation of Afrian Unity was held in Lome in July, 2000.

Recent Events: In April 2006, reconciliation alks between government and opposition reumed. In August, government and opposition signed an accord providing for the participation of opposition parties in a transitional government.

Mission in India: Honorary Consulate of the lepublic of Togo, T & T Motors Ltd., 212, 3khla Industrial Estate, Phase III, New Delhi-10 020; Tel: 26821005-06; Fax: 6821013.

E-mail: tnttalwar@vsnl.net and tandt@ndf. rsnl.net.in

178. Tonga

Kingdom of Tonga) Puleanga Fakaktui O onga

Lapital: Nuku'alofa; Area: 748 sq.km.; Popustion: 114,689; Languages: English and ongan; Religions: Christian; Literacy: 98.996; ife Expectancy: 69.82; Currency: Pa'anga \$1=2.0345); p.c.l: \$ 2,300; Date of Indepenence: 4th June, 1970.

Government Type: Constitutional Monar-



chy; Head of State: King Tau-fa'ahau Topou IV. PM: Feleti Sevele.

History: Tonga (also called Friendly Islands) consists of 169 islands and islets in the south western Pacific Ocean. The Tropic of Capricorn and the International Dateline cross each other very near Tonga.

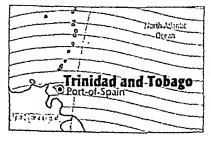
First visited by the Dutch in early 17th century, Tonga became a British protectorate in 1900 and independent on June 4, 1970. The island country was admitted to the United Nations in Sept. 1999.

Economy: Tonga is an agricultural country. Crops: coconuts, bananas, vanilla, coffee, ginger. Copra and bananas exported. Industry: Tourism, coconut products, fishing.

179. Trinidad and Tobago

(Republic of Trinidad and Tobago)

Capital: Port-of-Spain; Other Large Cities: San Femando, Arima; Area: 5128 sq.km.; Population: 1,065,842; Languages: English; Religions: Roman Catholic-26%, Hindu-22.5%, Anglican-7.8%, Baptist-7.8%, Pentecostal-6.8%, other Christian-5.8%, Muslim-5.8%,



renth Day Adventist-4%, others-26.7%; eracy: 98.6%; Life Expectancy: 66.76; Curicy: Tri & Tob Dollar (\$1=6.29); p.c.i: \$,700; Date of Independence: 31st August, 62.

Government Type: Parliamentary Democ-:y; President: George Maxwell Richards; 1: Patrick Manning.

Trinidad and Tobago are the southernmost ands of the Caribbean archipelago.

History: Formerly a British Colony, hieved independence in 1962 and became epublic in 1976.

Ethnic profile: African descent 40.8%, Inans 40.7%, mixed races 16.3%, European, ninese and others 2.2%.

Economy: There are large reserves of pepleum and natural gas. Trinidad and Tobago is the most diversified and industrialised onomy in the English-speaking Caribbean. dustries include oil processing, manufacred goods, fertilisers, rum, cement and tourm. Chief crops are sugarcane, citrus fruit, coa, coffee and bananas.

Mission in India: High Commission for the epublic of Trinidad and Tobago, 6/25, shanti iketan, New Delhi - 1100021. Tel: 6888427; Fax: 26888463.

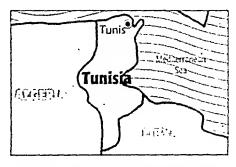
E-mail:hcreptt@giasdl01.vsnl.net.in Indian Mission in Trinidad and Tobago: ligh Commission of India, No.6, Victoria venue, Post Box No. 530, Port of Spain, rinidad and Tobago, West Indies. Tel: 00-1-68-6277480, 6277481; Fax: 00-94-1-868-276985.

E-mail: hcipos@tstt.net.tt

180. Tunisia

Republic of Tunisia) Al Jumhuriyah al **Funisiyah**

Capital: Tunis; Other Large Cities: Sfax, Sousse; Area: 164,150 sq.km.; Population: 10,175,014; Languages: Arabic (official) and french; Religions: Muslim-98%, Christian-



1%, Jewish and others-1%; Literacy: 74.3%; Life Expectancy: 75.12; Currency: Dinar (\$1=1.33); p.c.i: \$ 8,300; Date of Independence: 20th March, 1956.

Government Type: Republic; President: Gen. Zine-al-Abidine Ben Ali. PM: Mohamed Ghannouchi.

History: A republic in North Africa, lying on the Mediterranean coast and formerly a French protectorate, Tunisia became autonomous in 1956 and assumed republican status in 1957.It is the site of ancient Carthage.

Economy: Tunisia is an agricultural country, and produces wheat, barley, oats, dates, olives, citrus fruits, almonds, figs, vegetables and alfa grass. The chief minerals are phosphates, iron, lead and zinc. Industry: Oil production, textiles, leather, fertilisers, construction materials, food processing. The principal exports are olive oil, wine, phosphates and grains.

Mission in India: Embassy of the Republic of Tunisia, A-42, Vasant Vihar, New Delhi -110 057. Tel· 2614 5346, 2614 5349; Fax: 26145301.

E-mail:embtundelhi@dishnet.dsl.net Indian Mission in Tunisla: Embassy of india, 4, Place Didon, Notre Dame, Tunis 1002 Tel 00-216-1-787819; Fax: 00-215-1-783394 E-mail:embassy.india@email:a===

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181. Turkey

(Republic of Turkey) Capital: Ankara; Other Large



r, Adana, Bursa; Area: 779,452 sq.km.; slation: 70,413,958; Languages: Turkish, lish, Arabic; Religions: Muslim-99.8% stly Sunni), other-0.2% (mostly Christians Jews); Literacy: 86.5%; Life Expectancy: i2; Currency: Turkish Lira (\$1=1.596); i: \$ 8,200; Date of Independence: 29th ober, 1923

iovernment Type: Republic; Presidents net Necdet Sezer, PM: Recep Tayyip ogan.

republic in south eastern Europe and Asia nor, Turkey occupies a strategic position, ing as it does Asia and Europe at the Straits Josporus, between the Mediterranean and Black Sea.

History: Asiatic Turkey, that is, Anatolia, s the seat of one of the earliest civilizations own. Istanbul, the largest city, was first own as Byzantium and then as Constanople. The Ottoman Turks conquered nsantinople in 1453 and founded a Turk-Empire. In 1923, Turkey became a repub-

Religious and ethnic tensions and active t and right extremists have caused endemic flence.

Some 12 m Kurds live in Turkey. Kurdish litants demand an independent state for a Kurds. Kurdish Workers' Party (PKK) leader dullah Ocalan was arrested in Kenya in Feb. 4 and taken to Turkey. In Sept., PKK said it buld lay down arms once and for all.

In July 1996, in a break with Turkey's 73ar record of zealous secularism, Turkish parliament gave approval to a coalition government led by the Islamic Party. In June '97, conservative Mesut Yilmaz took over as PM. In '98, the Islamist party was banned. Welfare party, the largest political party, was officially disbanded for being anti-secular.

A rail link completing the new "silk route" between China and Turkey through Central Asia started operation in May, '96.

In July, '97, Turkey announced plans to gradually integrate northem Cyprus into Turkey, to match any moves by the Greek-Cypriot part of the divided island to join EU. The Turkish Republic of Northern Cyprus is only recognised by Ankara. In Dec. '97, EU rejected Turkey's candidacy.

On Aug. 17, 1999 a devastating earthquake hit Turkey killing at least 12,000 people. 600,000 people were made homeless.

Economy: Agriculture maintains about 64 per cent of the population. The chief products are tobacco, wheat, cotton, olive oil and sugar. Turkey is the world's second largest producer of sultana raisins. Sheep and cattle abound in the plateau of Anatolia and provide mohair for which Turkey is famous. The main minerals are iron ore, copper, chromium, bauxite and coal. Industry: Iron, steel, machinery, petroleum, metal products, cars, processed foods.

Recent Events: In March 2006, 14 suspected Kurdish rebels were killed by Turkish security forces. In April, clashes involving Kurdish protesters and security forces resulted in at least a dozen deaths in Southeastem areas. 8aku-Tbilisi-Ceyhan pipeline was formally opened at ceremony in Turkey after Caspian oil started flowing along it.

Mission in India: Embassy of the Republic of Turkey, N-50, Nyaya Marg, Chanakyapun, New Delhi-110021. Tel:26889053. Fax: 26881409.

E-mail:temdelhi@mantraonline.com Indian Mission in Turkey: Embassy of In77-A. Cinnah Caddesi, Cantana, Cooste. ara, Turxey, Tel: 00-90-312-4382195; 00-90-312-4403429.

-mail:chancen@indembassy.org.tr

2. Turkmenistan

public of Turkmenistan) Turkmeno-stan publikasy



pital: Ashkhabad (Poltoratsk); Other Large les: Chardzhou, Mary; Area: 488,100 km.; Population: 5,042,920; Languages: kmen, Russian; Religions: Muslim-89%, tern Orthodox-9%, unknown-2%, Litcy: 98.8%; Life Expectancy: 61.83, Curcy: Manut (\$1=6,200); p.c.i: \$8,000 , Date

Independence: 27" October, 1991 Covernment Type: Republic, President iz

l: Saparmurad Nilyazov

A former Soviet republic, Turkmenistan is unded by the Caspian sea on the west ins ghbours are Uzsekistari, tran ar ri Afghar k n. The Kars Kum desert excusing 2000, of area.

History, The region decarry part of Rus-B Turkestan in 1381, and a copyridir of the SR in 1925

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183. Tuyalu

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(Tuvaluan coins also upto A\$1) (\$1=A\$ 1.36); p.c.i: \$ 1,100; Date of Independence: 1st October, 1978.

Government Type: Parliamentary Democracy; Gov. Gen.: Filoimea Telito; PM: Maatia Toafa.

History: Formerly known as the Ellice Islands, Tuvalu is a scattered group of nine small atolls in the Western Pacific Ocean and one of the world's smallest independent nations. It separated from the British Gilbert and Ellice Islands colony in 1975 under the name Tuvalu. Full independence was granted on October 1, 1978.

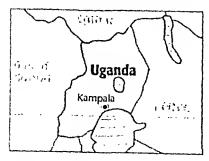
Economy: The poor quality of the soil permits subsistence farming of coconuts only. Most of the foreign exchange is earned through the sale of postage stamps and coins, copra and from remittances by Tuvaluans abroad.

Tuvalu was admitted to the UN as its 189th member in Sept., 2000.

184. Uganda

(Republic of Uganda)

Capital: Kampala; Other Large Cities: Jinja, Mbale, Masaka, Entebbe; Area: 241,139 sq.km.; Population: 28,195,754; Languages: English, Lugandą and Swahili; Religions: Roman Catholic-33%, Protestant-33%, Muslim-16%, indigenous beliefs-18%; Literacy: 69.9%; Life Expectancy: 52.67; Currency: Uganda Shilling (\$1=1,857); p.c.i: \$ 1,800;



Manorama Yearbook 2007

Date of Independence: 9th October, 1962. Government Type: Republic; President: Yoweri Museveni, PM: Apollo Nsibambi.

History: Uganda is an equatorial state in East Africa. Formerly a British protectorate, Uganda became independent in 1962 and a republic in 1963. A military coup led by Lt. Gen. Tito Okello ousted Milton Obote's govt. in 1985. Milton Obote had himself come to power after ousting dictator Idi Amin in 1979. In 1972, nearly all of Uganda's 45,000. Asians were expelled.

Economy: The economy is agricultural. Main products are coffee (Africa's biggest producer) and cotton. Industry: Tea, súgar, tobacco, textiles, beer and cement. Minerals: Copper, cobalt. Uganda's economy has become the fastest growing in Africa.

Recent Events: In February 2006, President Museveni won multi-party elections, taking 59% of the vote against the 37% share of his rival, Kizza Besigye. In July, peace talks between the government and the LRA began in southern Sudan. On August 4, the LRA declared a unilateral ceasefire.

Mission In India: Uganda High Commission, B-3/26, Vasant Vihar, New Delhi-110 057; Tel: 26144413, 26145817; Fax: 26144405.

E-mail:ughcom@ndb.vsnl.net.in

Indlan Mission in Uganda: High Commission of India, Plot 11, Kyandonda Road, Nakasero, P.O. Box 7040, Kampala, Uganda. Tel: 00-256-41-257368, Fax: 00-256-41-254943.

E-mail:hicomind@starcom.co.ug

185. The Ukraine

(Ukrayina)

Capital: Kiev; Other Large Cities: Kharkiv, Donetske, Odessa, Lviv; Area: 603,700 sq.km.; Population: 46,710,816; Languages: Ukrainian, Russian; Religions: Ukrainian Orthodox, Moscow Patriarchate, Kiev Patriarch



ate, Autocephalous Orthodox, Ukrainian Catholic (Uniate), Protestant, Jewish; Literacy: 99.7%; Life Expectancy: 69.98; Currency: Hryvnia (\$1=6.00); p.c.i: \$ 7,200; Date of Independence: 24th August, 1991.

Government Type: Republic; President: Viktor A. Yushchenko; PM: Tymoshenko.

History: The Ukraine in south-west former USSR became independent in 1991. It has a Black Sea coast and western frontiers with Romania, Hungary, Poland and Czechoslovakia and is bounded north by Byelorussia and otherwise by Russia. Ukraine was one of the lounder members of the CIS.

It is the most densely populated of the former Soviet republics. The second richest former Soviet republic, Ukraine contains some of the richest land in former USSR. It is considered the Soviet wheat belt.

In Apr. '86, the world's worst nuclear power plant disaster occurred in Chernobyl, Ukraine. The plant has been closed for good.

In June, '95, Russia and Ukraine reached agreement on the disputed Black Sea Heet at Sevastopol. In June, 1996, Ukraine became a nuclear weapon-free nation with the transfer of the last of its warheads to Russia. A new constitution legalising private property and establishing Ukrainian as the sole offi-cial language was approved in the same month.

Economy: Wheat, sugarbeet, sunflower, cotton, flax, tobacco, soya, fruit and vegctables, meat and milk are the main agricultural products. Natural resources: Coal, iron

ore, manganese, oil, salt and chemicals. Industry: Ferrous metallurgical, chemical, machinery, paper, television, consumer goods and food industries.

Recent Events: In January 2006, Russia briefly cut supply of gas for Ukrainian use in row over prices. In March, Viktor Yanukovych's party topped polls in parliamentary elections. Yuliya Tymostenko's took second place, leaving President Yushchenko's trailing in third. After months of bargaining, the backers of the Orange Revolution - the Yushchenko and Tymoshenko blocs and the socialists - agreed on a coalition, but the deal collapsed. The socialists agreed instead on a coalition with Viktor Yanukovych's party of Regions and the Communists. Faced with a deadline to accept Mr. Yanukovych's nomination or call new elections, president Yushchenko agreed that his rival can become prime minister.

Mission in India: Embassy of Ukraine, No.E-1/8, Vasant Vihar, New Delhi-110 057; Tel: 26146041, 26146042, Fax: 26146043

E-mail:Embassy@bol.net

Web: www. ukraineembassyindia.com Indian Mission in Ukraine: Embassy of India, 4, Terokhina Street, Padol District, Kyiv-254080, Ukraine. Tel: 00-380-44-4356661; Fax: 00-380-44-4356619.

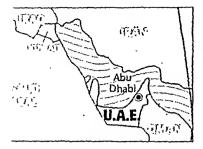
E-mail:india@public.ua.net

186. United Arab Emirates

Ittihad al-Imarat al-Arabiyah

Capital: Abu Dhabi; Other Large Cities: Dubai, Sharjah, Ras al-Khaimah; Area: 82,880 sq.km; Population: 2,602,713; Languages: Arabic; Religions: Muslim-96% (Shr'a-16%), Chastian, Hindu and others-4%; Literacy: 77.9 %; Life Expectancy: 75,44; Currency: Datum (\$1=3.673); p.c.l: \$43,400; Date of Independence: 2 December, 1971.

Government Type: Federation of Emissies:



ssident: Sheikh Khalifa bin Zayid Al hayyan; Vice President and PM: Maktum Rashid al-Maktum.

History: The United Arab Emirates consist seven autonomous emirates in the Persian If-Abu Dhabi, Dubai, Sharjah, Umm-aliwain, Ajman, Fujairah and Ras-alaimah. These were formerly referred to as a 'Trucial States'. Most of the land is barnand sandy. Rainfall is simited and erratic. ne-tenth of the population are nomads.

Abu Dhabi, which is the capital of the nion, is the largest of the Emirates in area. ubai is the main port of the Union and now as the largest harbour in West Asia. Dubai, in commercial hub of the Middle East, is now ansforming itself into a manufacturing loation and also a cultural, sports, leisure, and nopping centre.

Economy: In the past, the people of this tea made their living from subsistence agriulture and fishing, though with little good ind or supplies of fresh water the agricultral prospects are limited. A combination of ind reclamation and irrigation from underround acquifers allows farmers to grow ates for export and enables the UAE to be elf-sufficient in fruit and vegetables. As a result of such efforts, total production increased x-fold during the 1990s.

Both Abu Dabi and Dubai have steadily een diversifying away from oil into such aras of refining and petro-chemicals. Dubai as the world's largest single-site aluminium nelter and has a major duty-free zone at Jebel. Tourism is another useful source of income. Dubai's port, airport, and glittering array of hotels, restaurants and shops draw people from all over the region.

Only a tiny proportion of the land area is suitable for agricul-ture. Crops include dates and alfalfa, along with other fruit varieties and cereals. Besides oil and gas industries, aluminium smelling, trade and financial services are also important.

Recent Events: In January 2006, Sheikh Maktoum bin Rashid al-Maktoum, UAE prime minister and vice-president and ruler of Dubai, died during a visit to Australia, He was succeeded by his brother, Sheikh Mohammed bin Rashid al-Maktoum. In March, a political storm in the United states forced state-owned Dubai Ports World to relinquish control of terminals at six major US ports. Critics of the ports deal feared an increased risk of terrorist attack, saying the United Arab Emirates was the home of two of the 9/11 hijackers. The UAE announced several economic changes, including to the days of the official weekend to improve Western business contacts, and to labour laws to reduce dependence on foreign workers and to allow labourers to form trade unions.

Mission in India: Embassy of the UAE, EP-12, Chandergupta Marg, Chanakyapuri, New Delhi-110 021. Tel: 24670830,24670945; Telefax: 26873272.

E-mail: embassyemirates@bol.net.in/ embassyabudhabi@bol.net.in

Indian Mission In UAE: Embassy of India, Villa No. 9, Street No. 5, Sector-2/33, Khalidiya, P.O.Box No.4090, Abu Dhabi (UAE). Tel: 00-971-2-6664800; Fax: 00-971-2-6661518.

E-mail:indiauae@emirates.net.ae

187. United Kingdom

United Kingdom of Great Britain and Northern freland



Capital: London; Other Large Cities: Manchester, Birmingham, Glasgow, Leeds, Liverpool; Area: 244,108 sq km; Population: 60,609,153; Languages: English, Welsh, Scottish and Gaelic; Religions: Christian (Anglican, Roman Catholic, Presbyterian, Methodist)-71.6%, Muslim -2.7%, Hindu -196, unspecified or none-23.1%, Literacy: 99%; Life Expectancy: 78.54; Currency: Pound Sterling (\$1=0.540); p.c.l: \$ 31,460; Date of Independence: 1284.

Government Type: Constitutional Monarchy; Head of State: Queen Elizabeth II, PM: Tony Blair.

History: The United Kingdom(UK) constitutes the greater part of the British Isles. Great Britain is the largest of the islands forming the United Kingdom. It comprises England, Scotland, and Wales. The next largest is Ireland, comprising Northern Ireland, which is part of the UK, and the Irish Republic. Westem Scotland is fringed by the large island chains known the inner and Outer Hebrides, and to the north of the Scottish mainland are the Orkney and Shetland islands. All these, along with the Isle of Wight, Anglesey and the Isles of Scilly, have administrative ties with the Mainland, but the Isle of Man in the Irish Sea and the Channel Islands between Great Britain and France are largely self-governing, and are not part of the UK. The UK is one of the 25 member states of the European Union (UN).

The United Kingdom's system of govern-

ment is known as constitutional monarchy, though its constitution is not contained in any one document; instead it has evolved over many years. Ministers of the Crown govern in the name of the Sovereign, who is both head of state and head of the government. Actual power is vested in parliament which is the supreme legislative body in Great Britain. The parliament consits of two houses -the House of Lords and the House of Commons.

Economy: Britain is one of the world's leading industrial and exporting countries. Chief industries are iron and steel, engineering, chemicals, electronics, motor vehicles, metals, machinery, ship building, aircraft, textiles, cloth, other consumer goods and banking. Metals and metal using industries contribute more than 50% of the exports. Britain's coal mines yield about 128 million tons annually. Although Britain's agriculture and trawler fishing are highly mechanised, hall of the country's food supplies and most of its raw materials are imported. Chief crops: Grains, sugar, fruits, vegetables.

Severn and Thames are the largest rivers. The most famous chruch is Westminster Abbey. The most celebrated universities are Oxford and Cambridge. There are about 40 other universities.

England: Population: 49m. A large overseas empire was established. United with Wales (1536), with Scotland (1707) and with Ireland (1801; partition in 1921) to form United Kingdom.

Wales: The principality of Wales in Western Britain has a population of 2,899,000. Cardiff is the capital. English and Welsh are spoken.

Scotland: Scotland occupies the northern 37% of the main British island, and the Herbrides, Orkney, Shetland, and smaller islands. Population: 5,111,000. Edinburgh is the capital.

Northern Ireland is situated in the no

ist of Ireland and forms part of the United nadom. It comprises six Ulster counties of strim, Down, Armagh, Fermanagh, indonderry and Tyrone. The rest of the isnd forms the Republic of frefand. Northern afand has been rocked by bloody agitation r union with Catholic Irish Republic, 1985 w an Anglo-frish agreement which for the st time gave Dublin a say in the running of ie province. Population: 1,610,000 and apital: 8elfast.

Agriculture is the main occupation in orthern Ireland. Cattle, sheep, hogs, eggs, oultry, potatoes and milk are the important roducts. Linen, ropes, twines, rayon, clothig, tobacco, aircraft and shipping form the rain branches of industry.

Recent Events: Tony Blair suffered his first louse of Commons defeat as Prime Minister then MPs voted against increasing from 14 a 90 days the fength of time terror suspects an be held without charge, instead, they tacked increasing it to 28 days. Police in Lonion said they had foiled a terrorist plot on an unimaginable scale" to blow up a number of aeroplanes flying between Britain and the **Jnited States.**

Mission in India: High Commission for 8ritsin, Shantipath, Chanakyapuri, New Delhi-1107021. Tel: 0091-11-24192100, 26872161; Fax: 0091-11-26870060 (Visa).

E-mail:postmasterNewdelhi@fco.gov.uk; Neb: www.ukinindia.com

Consulate: Kolkata: 8ritish Deputy High Commission, 1A Ho. Chi Minh Sarani, (oikata-700 071, Tel: (91-33) 22885172/ 22885173-76, E-mail: kolkata@fco.gov.uk

Chennai: British Deputy High Commission, 20, Anderson Road, Chennai-600 006, Tel: (91-44) 52192151

Indian Mission in United Kingdom: High Commission of India, India House, Aldwych, London WC28 4NA, United Kingdom. Tel: 00-44-0207-8368484,3796242 (After Office); Fax:00-44-0207-8364331.

E-mail: 114343.3045@compuserve.com

Britain's Dependent Territories

Anguilla, 8ermuda, 8ritish Antarctic Territory, British Virgin Islands, Cayman Islands, Falkfand Islands, Gibraltar, Montserrat, Pitcairn, Ducie, Henderson and Oeno, St. Helena and St. Helena Dependencies (Ascension and Tristan da Cunha), South Georgia and the South Sandwich Islands and Turks and Caicos Islands.

isle of Man and the Channel Islands are direct dependencies of the Crown with their own fegislative and taxation systems.

fsfe of Man: It is in the Irish sea. Area:572 sq.km. Population:73,112. Capitaf: Doualas.

The Channel Islands: Off the North-West coast of France are Jersey, Guernsey and the dependencies of Guernsey. Area: 194 sq.km. Population: 152,241.

Anguilfa: Formerly Part of St.Kitts-Nevis-Anquilla, it became de facto a separate dependency of Britain in 1969; new constitution in 1982. Area: 155 sq.km. Population: 11,797; Capital:The Valley.

8ermuda: 8ermuda is a group of some 300 small coral islands in the Western North-Atlantic. In a referendum in Aug. '9S, Bermudans rejected independence. Area: 53.3 sq.km; Population: 63,022; Capital: Hamilton. PM: Pamela Gordon. Population is 60% black. Persons of British or Portuguese stock form the rest.

The chief crops are vegetables, flowers, (Easter lilies specially), bananas and citrus fruits. Tourism is the main source of revenue.

Montserrat: Capital: Plymouth; Area: 102 sq.km; Population: 12,000; Languages: English and Patois; Literacy: 53%; Religions: Christianity; Currency: Eastern Caribbean Dollar; \$1=\$2.69; p.c.l: \$3127 (1985) Gov: F.J.Savage; Chief Minister: Reuben Meade. From 1871 to 1956, it formed part of the federal colony of the Leeward Islands. The island, a British Associate State with full internal autonomy, adopted a constitution in 1960.

188. United States of **America**

United States of America

ies: New York, Los Angeles, Chicago, Houston, Philadelphia, San Diego, Detroit, Dallas, Boston, Miami, Atlanta, Pittsburg, San Francisco; Area: 9,372,614 sq.km.; Population: 298,444,215; Languages: English; Rellgions: Protestant-52%, Roman Catholic-24%, Mormon-2%, Jewish-1%, Muslim-1%, other-10%, none-10%; Literacy: 97%; Life Expectancy: 77.85; Currency: Dollar (\$1-1.00); p.c.i: \$ 41,800; Date of Independence: 4th July, 1776.

Capital: Washington D.C.; Other Large Cit-

Government Type: Federal Republic; President: George W. Bush.

History: The United States of America is a federal republic composed of a federal district (Wash-ington, D.C.) and 50 states, of which all except one - Hawaii islands - are in mainland America.

The United States of America, which covers the central part of North America, grew out of the British colonies that were established in North America in the first half of the 17th century. The Declaration of Independence of the 13 states of which the American Union then consisted was adopted by Congress on July 4, 1776.

The victory of the Allies in WW-I made USA a world power. The end of the WW-II saw the emergence of USA as one of the superpowers. With the break-up of USSR in 1991, it has now become the only superpower.

The Union originally comprised 13 states, to which 7 were added subsequently. Thirty other states, which were formerly territories, were also admitted into the Union as full states, thus making up 50 states in all, apart from the District of Columbia. The following table gives the existing states of the Union with their postal abbreviations, capitals, area and population.



States of the Union

Name 	Capital	Area (sq km)	Population (1999)
Alabama (AL)*	Montgomery	133916	4,369,862
Alaska (AK)	juneau 1	530700	619,500
Anzona (AZ)	Phoenix	295260	4,778,332
Arkansas (AR)	Little Rock	137754	2,551,373
California (CA)	Sacramento	411049	33,145,121
Colorado (CO)	Denver	269596	4,056,133
Connecticut (CT)	Hartford	12997	3,282,031
Delaware (DE)	Dover	5294	753,538
District of Col-	Washington	179	\$19,000
umbla (DC)	D.C		
Florida (FL)	Tallahassee	151940	15,111,244
Georgia (GA)	Atlanta	152577	7,788,240
Hawaii (HI)	Honolulu	16760	1,185,497
Idaho (ID)	8oise	216431	1,251,70
Illinois (IL)	Springfield	145934	12,128,370
Indiana (IN)	Indianapolis	93719	5,942,90
Iowa (IA)	Des-Moines	145752	2,869,41
Kansas (KS)	Topeka	213097	2,654,05
Kentucky (KY)	Frankfort	104659	3,960,82
Louisiana (LA)	Baton Rouge	123678	4,372,03
Maine (ME)	Augusta	86156	1,253,04
Maryland (MD)	Annapolis	27091	5,171,63
Massachusetts			-•
(MA)	Baston	21456	6,175,16
Michigan (MI)	ومندمها	151585	9,863,77
Minnesota (MN)	5t. Paul	218601	4,775,50
Mississippi (MS)	Jackson	123515	2,768,61
Missoun (MO)	Jefferson city	180515	5,468,33
Montana (MT)	Helena	380849	882,77
Nebraska (NE)	Lincoln	200349	1,666,02
Nevada (NV)	Carson City	286353	1,809,25
NewHampshire			
(NH)	Concord	24033	1,201,13
New Jersey (NJ)	Treton	20168	8,143,41;
New Mexico (NA	1)Santa Fe	314923	1,739,84
New York (NY)	Albany	127190	18,196,60
North Carolina			
(NC)	Raleigh	136413	7,650,789
North Dakota			
(ND)	Bismarck	183118	633,666
Ohio (OH)	Columbus	107045	11,256,654
Oklahoma (OK)	Okishoma Cit	y 181186	3,358,04

Oregon (OR)	Salem	251419	3,316,154
Pennsylvania (PA)	Harrisburg	117348	11,994,016
Rhode Island (RI)	Providence	3139	990,819
South Carolina			
(SC)	Columbia	80583	3,885,736
South Dakota			
(SD)	Ріепе	199730	733,133
Tennessee (TN)	Nashville	109153	5,483,535
Texas (TX)	Austín	691030	20,044,141
Utah (UT)	Salt Lake City	219888	2,129,836
Vermont (VT)	Montpelier	24900	593,740
Virginia (VA)	Richmond	105587	6,872,912
Washington (WA)	Olympia	176480	5,756,361
West Virginia (WV)	Charleston	62758	1,806,928
Wisconsin (WI)	Madison	145436	5,250,446
Wyoming (WY)	Cheyenne	253325	479,602
ADD TO LABOR TO THE	44 41 -41 -	(A-1-) -1.1	

*Postal two-letter (both capitals) abbreviations for U.S. states were introduced with the ZIP Code in 1963. These are fast replacing the older abbreviations.

Economy: Agriculture: Main crops are maize, wheat, soyabeans, barley, oats, rice, sugar, potatoes, cotton, tobacco and dairy products. Industries: Iron and steel, food and kindred products, chemicals, metal products, electronic equipment, machinery, transportation equipment, paper, petroleum products, fertilisers, plastics. Minerals: Coal, copper, lead, phosphates, uranium, zinc, gold, silver, iron, molybdenum, oil. Oil reserves in USA, the worlds second-biggest oil producer, are expected to last only 10 years if output continues at the current rate. Exports: Machinery, chemicals, motor vehicles, aircraft, military equipment, grains, cereals.

The U.S. is the only industrial country where large population increases are still projected, largely as the result of immigration. The US population used to be called a melting pot; now it is thought of as a 'salad bowl' with discrete ingredients. Even so there is extensive inter-marriage. One-quarter of Hispanics who wed in the USA marry non-Hispanics. One third of Asian-Americans marry non-Aslans. Black and white are less likely to intermarry.

ent Events: In March 2006, Congress ed the USA Patriot Act, a centrepiece government's fight against terrorism, nonths of debate about its impact on erties. The government agreed to some on information gathering. Millions of rants and their supporters took to the to protest against plans to criminalise l immigrants. The only man to be ed over September 11 attacks, self-cond al-Qaeda conspirator Zacarias

saoui, was sentenced to life in jail. islon In India: Embassy of the USA, ican Embassy, Chanakyapuri, New - 110021. Tel: 24198000: Fax: 1017; Foreign Commercial Service and y of Congress- 24, Kasturba Gandhi New Delhi-110 001; Tel:23316841. nail: NDBoxMEA @STATE.GOV

nsulate: Calcutta: 5/1, Ho Chi Mình i, Calcutta-700 071, West Bengal, Tel: 3 2282-3611/15 Email: Consular

tta@state.gov; Mumbai: Lincoln House, nulabhai Desai Road, Mumbai-400 026, (22) 2363-3611 Email: webmaster-

bai@state.gov; Chennai: Gemini circle, Anna Salai, Chennai-600 006, Tel: 2811-

Email: chennailV@state.gov lian Mission in United States of America:

issy of India, 2107, Massachusetts Ave, Washington DC 2008. Tel: 00-1-202-000; Fax: 00-1-202-2654351.

mail:indembwash@indiagov.org

lying Territories

erto Rico: (Commonwealth of Puerto ; Capital: San Juan; Area: 8891 sq.km; lation: 4 m.; Languages: Spanish and En-Religions: Christianity; Currency: Dol-.c.l: \$6.360

overnor: Dr.Pedro Rossello.

te island of Puerto Rico lies 80 km east of aniola (Haiti and Dominican Republics) e outer Caribbean. In 1952, it ceased to colonial possession and became a free Commonwealth. It has close ties with U.S. People have U.S. citizenship with no voting rights.

From a purely agricultural country, Puerto Rico (formerly Porto Rico) is fast changing to an industrial economy and is the wealthiest Caribbean island, "The Poor house of the Caribbean" was changed to an area with one of the highest standards of living in Latin America, thanks to the famous "Operation Bootstrap" begun in the late 40s.

In a referendum in November, 1993, Puerto Ricans said no to total merger with USA.

The main crops are sugar, tobacco and coffee. Industries include textiles, clothing, cigars, alcohol, chemicals and household appliances. Tourism is an important source of revenue.

Guam: Area: 541 sq.km.; Population: 149,620; Capital: Agana.

Commonwealth of the N.Mariana Is: Area: 477 sq.km.; Population: 45,200; Capital: Saipan.

American Samoa: Area: 199 sq.km. Population: 55,223; Capital: Pago Pago.

Other Pacific territories: Johnston Atoll (Two small islands 1150 km. southwest of Hawaii. Population: 1200; Midway Islands (Two small islands at the western end of the Hawaiian chain. Population: 453 (1980), Wake Island(Three small islands 3700 k.m. west of Hawaii. Population: 302(1980).

Virgin Islands of the United States: Area:342 sq.km. Population: 101,809; Capital: Charlotta Amalie.

189. Uruguay

(Oriental Republic of Uruguay) Republica Onental del Uruguay.

Capital: Montevideo, Other Large Cities Salto, Rivera, Area: 176,215 sq km tion: 3,431,932, Languages (1) gions: Roman Catholic de marchine



Jewish-1%, non-Professing or others-31%; Literacy: 98%; Life Expectancy: 76.33; Currency: Peso (\$1=23.8); p.c.i: \$ 9,600; Date of Independence: 25th August, 1825

Government Type: Republic; Head of State & Govt (President): Tabare Vazquez,

The smallest republic in South America, Uruguay lies in southern S. America, on the Atlantic Ocean.

History: Formerly a part of the Spanish Viceroyalty of Rio de la Plata and subsequently a province of Brazil, Uruguay became independent on Aug. 25, 1825. After a military coup of 1976, civilian government was restored in 1985.

Economy: Livestock-raising is Uruguay's prinicipal occupation and takes up 60 per cent of its total land area. The chief products are meat, wool, hides, corn, wheat, citrus fruit, rice, tobacco, oats and linseed. Important industries are vinery, meatpacking, textiles, cement and oil products.

Socialist measures were adopted as far back as 1911. The welfare programmes earned Uruguay a reputation as the Switzerland of Latin America.

Mission In India: Embassy of Uruguay, A-16/2, Vasant Vihar, New Delhi-110 057, Tel: 26151991, 26151992; Fax: 2614 4306.

E-mail:uruind@del3.vsnl.net.in

190. Uzbekistan

Ozbekiston Republikasy Capital: Tashkent; Other Large Cities: Samarkhand, Namangan; Area: 447,40 sq.km.; Population: 27,307,134; Language Uzbek, Russian; Religions: Muslim-88 (mostly Sunnis), Eastern Orthodox-9%, ot ers-3%; Literacy: 99.3%; Life Expectance 64.58; Currency: Som (\$1=1222.8), p.c.i.: 1,800; Date of Independence: 1 September 1991.

Government Type: Republic; President: I lam A. Karimov; PM: Shavkat Mirziyayev.

History: A former Soviet republic that b came independent in Dec., 1991, Uzbekista is bordered by Kazakhstan, Kyrgyzstai Tajikistan, Afghanistan and Turkmenistan.

Economy: Agriculture: Uzbekistan has a excellent record in agriculture. Intensive farming, based on artificial irrigation is practised. It is the chief cotton-growing area if former Soviet Union and the third in the world. It produced 65% of the total cotton 50% of the total rice and 60% of the total ucerne grown in the former union. Crop cotton, lucerne, grain, potatoes, vegetable grapes, fruit and berries. Natural resource. Oil, coal, copper, ozocerite, building mater als. Industry: Agricultural machinery, cemen textiles, paper, ferroconcrete.

The Roman alphabet (in use 1929-40) ware-introduced in 1994.

Recent Events: In March 2006, Sanja Umarov, head of the Sunshine Uzbekista opposition movement, was jailed for 11 year -later reduced to eight-for economic crimes. The group had criticised the Andijan crack down and had urged economic reform

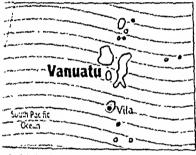


activist Mukhtabar Tojibayeva, a critic Andijan crackdown, was jailed for eight or economic crimes.

sion in India: Embassy of the Republic pekistan, EP-40, Radhakrishnan Marq, akyapuri, New Delhi-110021, Tel: 0774, 24670775, 24105640; Fax: 0773. F-mail:uzembind@vsnl.com fian Mission in Uzbekistan; Embassy of ,5 Ulitsa Alexie Tolstogo No.3, Tash-Uzbekistan. Tel: 00-998-71-1338357; 00-998-71-13619756. mail:indemb@online.ru

1. Vanuatu

jublic of Vanuatu) Ripablik Blong Vanuatu



ipital: Vila; Area: 14,760 sq km; Population: 18,869; Languages: English, French and slama; Religions: Presbyterian-36.7%, Anican-15%, Roman Catholic-15%, indig-10us beliefs-7.6%, Seventh-Day Adventist-.2%, Church of Christ-3.896, others-15.796; iteracy: 74%; Life Expectancy: 62.85; Curency: Vatu (\$1=113.45); p.c.i: \$ 2,900; Date if Independence: 30th July, 1980.

Government Type: Parliamentary Repubic; President: Kalkot Matas Kelekele; PM: Hum Lini.

History: The Anglo-French condominium of the New Hebrides became independent under the name Vanuatu on July 30, 1980. It is a double chain of 13 large and 80 small ulands in South West Pacific. The largest island is the Espiritu Santo. Originally a haunt of European pirates, they came under the control of France and Britain in 1906. The population is overwhelmingly Melanesian.

Economy: The major cash crops are copra, coffee and cocoa. Vanuate is a popular tourist destination in the South Pacific.

Industry: Fish-freezing, meat canneries, tourism. Manganese has been mined since 1961 and exported to Japan.

192. Vatican City

(The Holy See) Sato della Cittadel Vaticano



Capital: Vatican City; Area: 0.4 sq. km.; Population: 900; Languages: Latin and Italian; (All languages accepted); Religions: Roman Catholic; Literacy: 100%.; Currency: Euro (\$1=0.79); Date of Independence: 11th February, 1929.

Government Type: Ecclesiastical; Supreme Pontiff: Pope Benedict XVI (Cardinal Joseph Ratzinger). Secretary of State: Angelo Sodano.

The Vatican city state, sovereign and independent, is situated on the Vatican hill, on the right bank of the Tiber, within the commune of Rome, Italy. It is completely surrounded by? Italy. Vatican City, the City of the Pope, includes St. Peter's Cathedral, Vatican Palace and Museum, the Vatican Gardens and neighbouring buildings. Vatican has its own raifway station (for freight only), postal system, police, coins and radio.Radio Vaticana broadcasts an extensive service in 34 languages.

The city state is governed by a commisn appointed by the Pope, who has full lel, executive and judicial powers. The rean for its existence is to provide an extraritorial, independent base for the Holy See, e government of the Roman Catholic nurch. In Dec. '93, the Vatican and Israel preed to establish formal relations. In March, 197 Vatican established diplomatic ties with bya.

93. Venezuela

Republic of Venezuela) Republica de Venezu-



Capital: Caracas; Other Large Cities: Maracaibo, Valencia; Area: 912,050 sq. km.; Population: 25,730,435; Languages: Spanish; Religions: Nominally Roman Catholic-96%, Protestant-2%, others-2%; Literacy: 93.4%; Life Expectancy: 74.54; Currency: Bolivar, (\$1=2,559.14); p.c.l: \$ 6,100; Date of Independence: 5th July, 1811.

Government Type: Federal Republic; Head of State & Govt. (President): Hugo Chavez.

History: Venezuela (Little Venice) on the Caribbean coast is the northermost state of South America. Sighted by Columbus in 1498, it was formerly a Spanish colony. Venezuela became independent in 1811 and a republic in 1830. Military strongmen ruled Venezuela for most of the 20th century. Since 1959, it has had democratically elected governments. Venezuela is the richest and most urbanised Latin American nation. The world's

highest waterfall, Angel Falls, with an overall drop of 979 m. is in Venezuela.

Economy: Venezuela, a member of the OPEC, is one of the world's leading producers of oil and the largest oil exporter outside the Middle East. Venezuela is rich in diamonds and ranks 8th in world production. Other minerals are iron, steel, aluminium, copper, tin and manganese. Agricultural products include coffee, cocoa, bananas, maize, rice and sugar.

President Chavez won a landslide victory for a six-year term, in August, 2000 capturing 59% of the votes.

Recent Events: Parties loyal to president Chavez made big gains in parliamentary elections. Opposition parties boycotted the poll, leaving parliament entirely made up of supporters of the president

Mission in India: Embassy of Venezuela, N-114, Panchshila Park, New Delhi-110 017. Tel: 26496535, 26496783; Fax: 26491686.

E-mail:embavene@del2.vsnl.net.in

Indian Mission In Venezuela: Embassy of India, Quinta Tagore, No.12, Avenoda San Carlos, La Floresta, Apartado de Correo 61585, Chacao 1060, Caracas, Venezuela. Tel: 00-58-212-2857887; Fax: 00-58-2865131.

E-mail:embindia@eldishcom.ve Website: http://www.embindia.org

194. Vietnam

(Socialist Republic of Vietnam) Cong Hoa Xa Hoi Chu Nghia Viet Nam

Capital: Hanoi; Other Large Cities: Ho Chi Minh City, Haip-Hong, Hue; Area: 329,566 sq. km; Population: 84,402,966; Languages: Vietnamese, French, English, Chinese; Religions: 8uddhist, Hoa Hao, Cao Dai, Christian (predominantly Roman Catholic, Some Protestant), indigenous beliefs, Muslim; Literacy: 90.3%; Life Expectancy: 70.85; Currency: Dong (\$1=16983); p.c.i: \$ 2,800; Date of Independence: 2nd September, 1945.



Jovernment Type: Communist State; ident: Nguyen Minh Triet; PM: Nguyen Dung

listory: The Socialist Republic of Vietnam mprising former North and South Vietn) is a mountainous country in south east a. Running almost its entire length, is a ountain chain-the Annamite Chain. On one e of the mountain chain is the fertile Red er delta in the north and on the other side the Mekong delta in the south. The two tas form the rice bowl of the country.

Vietnam War was fought mainly in South etnam from 1954 between US backed govinment forces and Viet Cong. guerrillas suported by North Vietnam and Soviet armanents. US support of south began in 1961 nd intensified from 1964. War formally conluded in 1973 but querrilla activities continied in South. South Vietnam fell to commuhist forces in 1975 and gradual political reinlegration followed. The unification of North and South Vietnam into the socialist Republic of Vietnam took place formally on July 2,1976. The Northern capital, flag, anthem, emblem and currency were applied to the new state.

Economy: The country is primarily agricultural. Rice is the dominant crop and an exportitem. Other crops are rubber, sugarcane, coffee, maize and tea. Minerals include coal, tin, copper, chromium and phosphate. Industry: Cement, metallurgy, chemicals, paper, food processing and textiles.

After 3 million died defending their country, women outnumber men three to one in Vietnam.

Recent Events: Senior officials were investigated over the alleged embezzlement of millions of dollars of state money in the transport ministry. As part of an anticipated political shake-up, the prime minister, president and National Assembly chairman were replaced by younger leaders.

· Mission in India: Embassy of the Socialist Republic of Vietnam, 17, Kautilya Marq, Chanakyapuri, New Delhi-110?021. Tel: 23018059 (Visa Section), 23019818 (Ambassa-dor's Office); Fax: 91-11-23017714.

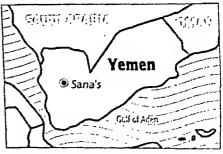
E-mail:sqdelhi@del3.vsnl.net.in

Indian Mission in Vietnam: Embassy of India, 58-60, Tran Hung Dao, Hanoi, Vietnam. Tel: 00-84-4-8244989; Fax: 00-84-4-8244998.

E-mail:india@netnam.org.vn

195. Yemen

(Republic of Yemen) Al Jumhuriyah al Yamaniyah



Capital: Sana'a; Commercial (and winter) Capital: Aden; Area: 531,000 sq km; Population: 21,456,188; Languages: Arabic; Religlons: Muslim including Shaf'i (Sunni) and Zaiydi (Shi'a), small numbers of Jew, Chistian, and Hindu; Literacy: 50.2%; Life Expectancy: 62.12; Currency: Rial (\$1=196.86); p.c.l: \$ 900; Date of Independence: 22nd May, 1990. Government Types Republic; President: Col. Ali Abdullah Saleh PM:Abd al-Qadir Ba Jamal.

History: North and South Yemen merged in May 1990 into a United Republic of Yemen in the south west of the Arabian peninsula. North Yemen was established in 1962 while South Yemen (formerly Aden and the Protectorate of South Arabia) became independent in 1967.

Centuries ago Yemen was a rich land of exotic spices, frankincense and myrrh. The legendary Queen of Sheba ruled the kingdom then known as Happy Yemen. South Yemen became the Arab world's only Marxist nation after independence.

In 1994, regional clan-based rivalries led to full-scale civil war. On May 5, S. Yemen declared itself an independent state, breaking away from united Yemen. The 2-month war ended on July 7, when Aden, fell to the northern forces. Losses caused by the conflict is estimated at \$3 b.

Parliamentary elections were held in Apr. 1997.

Economy: The economy is chiefly based on oil and agriculture. The main agricultural products are coffee, dates, herbs, fruits, wheat, millet and maize. Cotton, coffee, hides and skins are exported. Industries: Food processing, mining and petroleum refining.

Recent Events: In March 2006, more than 600 followers of slain Shia cleric Hussein al-Houthi who were captured following a rebellion he led in 2004 were released under an amnesty.

Mission In India: Embassy of the Republic of Yeinen, J-16, Hauz Khas, New Delhi-110 016, Tel: 26602482 (Ambassador's Office); Fax: 26602483

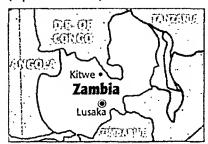
E-mail: yemenembnd@yahoo.com

Indian Mission in Yemen: Embassy of India, Building No. 12, Djibouti Street, Post Box No. 1154, Sana'a, Yemen. Tel: 00-967-1-508084, 508085; Fax: 00-967-1-508105

E-mail:indiaemb@y.net.ve

196. Zambia

(Republic of Zambia)



Capital: Lusaka; Other Large Cities: Kitwe, Chingola; Area: 752,620 sq km; Population: 11,502,010; Languages: Bantu and English; Rellglons: Christian-50-75%, Muslim and Hindu-24-49%, indigenous beliefs-1%; Literacy: 80.6%; Life Expectancy: 40.03; Currency: Kwacha (\$1=3,436); p.c.l: \$890; Date of Independence: 24th October, 1964.

Government Type: Republic; President: Levy Patrick Mwanawasa; PM:

Zambia, a landlocked republic in south central Africa, takes its name from the River Zambezi, one of its biggest rivers. Originally known as Northern Rhodesia, it is separated from Zimbabwe by the Zambezi river. Kariba Dam, one of the biggest man-made dams in the world, is on the Zambezi river where it makes the border between Zambia and Zimbabwe.

History: Zambia, under the administration of the South Africa Company from 1889 to 1924, became independent republic within the Commonwealth republic on October 24, 1964. In the 1980s, decline in copper prices hurt the economy. June 1990 witnessed severe violence caused by food nots. One-party rule came to an end with October 1991 elections.

Economy: Maize, tobacco, millet, cassava, groundnuts, cotton and sugar are produced. The country is rich in minerals including copper, zinc, cobalt, lead, uranium and manganese. Although copper mining dominates Zambia's economy, the country made a ma-

or shift to agricultural production, as a result f the crippling fluctuations of copper prices n the world market. President Chiluba reersed 27 years of command-economy soialism under Kaunda.

Over 500,000 children had been orphaned by the AIDS epidemic by the late 1990s.

Recent Events: In April 2006, president Mwanawasa suffered a minor stroke. He resumed "light duties" after some weeks and later declared himself fit to run for re-election towards the end of the year.

Mission In India: High Commission of the Republic of Zambia, C-79, Anand Niketan, New Delhi-110 021. Tel: 24101289, 24101292; Fax: 24101520.

E-mail:zambiand@sify.com

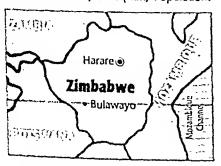
Indian Mission in Zambla: High Commission of India, 1, Pandit Nehru Road, P.O. Box 32111, Lusaka, Zambia. Tel: 00-260-1-253159, 253066; Fax: 00-260-1-254118.

E-mail:consular@india.zm

197. Zimbabwe

(Republic of Zimbabwe)

Capital: Harare; Other Large Cities: Bulawayo, Gweru; Area: 390,272 sq km; Population:



12,236,80S; Languages: English, Shona and Ndebela; Religions: Syncretic (partly Christian, partly indigenous beliefs)-50%, Christian-25%, indigenous beliefs-24%, Muslim and others-1%; Literacy: 90.7%; Life Expectancy: 39.29; Currency: Dollar.(ZWD) (\$1=101196); p.c.l: \$ 2,300; Date of Independence: 18th April, 1980

Government Type: Parliamentary Democracy; Head of State & Govt (President): Robert G.Mugabe.

History: Alandlocked country in SC Africa, Zimbabwe (formerly Southern Rhodesia) has Zambia, Botswana, S. Africa and Mozambique as neighbours. Achieved independence on April 18, 1980, after a bitter struggle against the white minority government in power.

Economy: Zimbabwe is rich in minerals notably copper, nickel, gold, asbestos, chrome and coal. Its platinum deposits are the world's largest. Over 40 different types of metals and minerals are produced. About 40% of foreign exchange is derived from the export of metals, minerals and mineral related products. Industries include food processing, metals, textiles, furniture and engineering. Maize, groundnuts, cotton and tobacco are the chief crops, tobacco being the most important one. Zimbabwe is world's second largest exporter of flue-cured tobacco, after Brazil. Zimbabwe's agricultural performance has been hailed as the best in black Africa. Tourism is the fastest growing sector in the country. About onefourth of the adult population has HIV/AIDS.

A referendum rejected the new draft constitution in early 2000. In April, the constitution was amended to give the Govt. the right to seize white-owned farms without compensation. Mugabe, armed with the new law, went ahead with his plans to confiscate 804 farms belonging to Whites, to be redistributed to ordinary Zimbabweans. In June, 2000 election, Mugabe's party scored a narrow win.

Recent Events: Ruling Zanu-PF party won an overwhelming majority of seats in a newlycreated upper house of parliament, the Senate. The opposition MDC split over its leader's decision to boycott the poll. In May 2006, year-on-year inflation exceeded 1,000%.

Mission In India: High Commission of the Republic of Zimbabwe, F-63, Poorvi Marg, Vasant Vihar, New Delhi-110057, Tel: 26140430, 26140431; Fax:26154316.

E-mail:zimdelhi@vsnl.net Indian Mission in Zimbabwe: High Commission of India, No. 12, Natal Road, Belgravia, Post Box 4620, Harare, Zimbabwe. Tel: 00-263-4-795955: Fax: 00-263-4-722324.

E-mail:hcihre@internet.co.zw

accided be the Oath

The name 'United Nations' was devised by United States President Franklin D. Roosevelt and was first used in the Declaration by United Nations of 1 Jan. 1942, during the Second World War, when representatives of 26 nations pledged their Governments to continue fighting together against the Axis Powers.

The United Nations is the hope and con science of the world, more especially of the smaller nations among its 191 members. It is an association of states which have pledged themselves to maintain international peace and security and co-operate in solving international political, economic, social, cultural and humanitarian problems towards achieving this end.

The United Nations Charter, the constituting instrument of the UN, was drawn up by \cdot the representatives of 50 countries at the United Nations Conference on International Organisation, which met in San Francisco from 25 April to 26 June 1945. Those delegates deliberated on the basis of proposals worked out by the representatives of China, the Soviet Union, the United Kingdom and the United States at Dumbarton Oaks (Washington, DC) from 21 Aug. to 28 Sept. 1944. The Charter was signed on 26 June 1945 by the representatives of the 50 countries. Poland, which was not represented at the Conference, signed it later and became one of the original 51 Member States.

The United Nations officially came into existence on 24 Oct. 1945, with the deposit of the requisite number of ratifications of the Charter with the US Department of State. United Nations Day is celebrated on 24 Oct. each year.

New Member States are admitted by the General Assembly on the recommendation of the Security Council. Tuvalu was admitted in Sept, 2000 as the 189th member. East Timor was admitted as a member of the UN in September, 2002. Switzerland joined the world organisation in the same month. Montenegro became a UN member on 28 June, 2006.

In 1971 Communist China was admitted as the representative of all China. Red China thus became a permanent member of the Security Council. Taiwan lost its primary membership of the UN. Vatican is a permanent observer.

Official languages of the UN are: Arabic, Chinese, English, French, Russian and Spanish.

Flag of the UN: On the flag is the UN emblem in white centred on a light blue ground.

The UN has a post office originating its own stamps. Some 52,100 people work in the UN system.

The Secretary General Kofi Annan and the UN were jointly given the Nobel Prize for Peace in 2001.

The Year 2005 was proclaimed the International Year of physics by the UN.

Headquarters: First Avenue, UN Plaza, New York City, N.Y. 10017, USA.

Principal Organs of the UN are: General embly, Secretariat, Security Council, Trustship Council, Economic and Social Counand International Court of Justice.

enerai Assembiy

ne Assembly consists of the representatives all the member states. Each state has one ote, but may send 5 representatives. The ieneral Assembly meets at least once in a ear. It elects its own President and Vice Presilents every year.

iecurity Council

Security Council consists of 15 members, each of which has one vote. There are five permanent and 10 non-permanent members elected for a 2-year term by a two-thirds majority of the General Assembly. The permanent members have the power to veto any move. Retiring members are not eligible for immediate re-election.

The Presidency of the Security Council is held lor one month in rotation by the member states in the English alphabetical order of their names.

Permanent Members: China, France, Russia, UK, USA. Non-permanent Members: Congo, Ghana, Peru, Qatar, Slovakia (until Dec. 31, 2007), Argentina, Denmark, Greece, Japan, United Republic of Tanzania (until Dec. 31, 2006).

The expansion of the Security Council to include 'new powers' such as India, Germany and Japan as permanent members has been suggested by various fora.

Economic and Social Council

The Economic and Social Council (54 members) is responsible under the General Assembly for carrying out the functions of the United Nations with regard to international economic, social, cultural, educational, health and related matters. The Council's Regional Economic Commissions: ECE (Economic Commission for Europe, Geneva); ESCAP (Economic and Social Commission for Asia

and the Pacific, Bangkok); ECLAC (Economic Commission for Latin America and the Carribbean, Santiago, Chile); ECA (Economic Commission for Africa, Addis Ababa), ESCWA (Economic Commission for Western Asia. Amman, Jordan).

Trusteeship Council

The Charter provides for an international trusteeship system to safequard the interests of the inhabitants of territories which are not yet fully self-governing and which may be placed thereunder by individual trusteeship agreements. These are called trust territories.

All of the original 11 trust territories have become independent or joined independent countries.

Members: China, France, Russia, UK, USA.

international Court

The International Court of Justice was created by an international treaty, the Statute of the Court, which forms an integral part of the United Nations Charter. All members of the United Nations are ipso facto parties to the Statute of the Court. There are 15 judges. Headquarters: The Peace Palace, 2517 KJ The Haque, Netherlands.

The 15 judges are elected for 9-year terms by the General Assembly and the Security Council. Retiring judges are eligible for reelection. The court remains permanently in session, except during nations. All questions are decided by majority.

Website: http://www.icj-cij.org President: Shi Jiuyong (China)

Registrar: Philippe Couvreur (Belgium)

The Court has its seat at The Hague, but may sit elsewhere whenever it considers this desirable. The expenses of the Court are bome by the UN.

Languages: French and English.

The Secretariat

The Secretariat is composed of the Secretary-General, who is the chief administrative officer of the organisation and an international staff appointed by him under regulations established by the General Assembly. However, the Secretary General, the High Commissioner for Refugees and the Managing Director of the Fund are appointed by the General Assembly. HQ: United Nations Plaza, New York, NY 10017, USA.

Website:http://www.un.org

Secretary-General: Kofi Annan (Ghana) was appointed on 1st January, 1997 for a five-year term. He has been re-elected for a second term.

On Jan. 12, 1998, Louise Frechette (Canada) was appointed Deputy Secretary-General.

In addition to the 18 independent specialised agencies, there are some 14 major United Nations programmes and funds devoted to achieving economic and social progress in the developing countries.

United Nations Development Programme

United Nations Development Programme (UNDP), is the world's largest agency for multilateral, technical and pre-investment co-operation. It is the funding source for most of the technical assistance provided by the United Nations system.

HQ: New York

Administrator: Mark Malloch Brown (UK)

United Nations Children's Fund

United Nations Children's Fund (UNICEF), established in 1946 as United Nations International Children's Emergency Fund to deliver post-war relief to children, now concentrates its assistance on development activities aimed at improving the quality of life for children and mothers in developing countries.

HQ: New York

Executive Director: Ms. Ann M. Veneman (USA)

The UN Fund for Population Activities

The UN Fund for Population Activities

(UNFPA), established in 1969, carriprogrammes in over 130 countries and tories. The Fund's aims are to build a pacity to respond to needs in populate family planning.

Executive Director: Ms. Thoraya A Obaid (Saudi Arabia).

UN Environment Programme (UNEP)

Established in 1972, it works to er age sustainable development through environmental practices.

Executive Director; Achim Steiner many).

Relief Agencies

Among the organisations involved in re tivities are the Office of the UN Disaste Co-ordinator (UNDRO), the Office of t High Commissioner for Refugees (Ul and the UN Relief and Works Agency f estine Refugees in the Near East (UNR)

Commissioner-General: Giorgio Giac

United Nations High Commission Refugees

United Nations High Commissioner fo gees (UNHCR) was established by the UI eral Assembly with effect from 1 Jan. 1

For its work on behalf of refugees a the world, UNHCR was awarded the Peace Prize in 1955 and again in 1981

HQ: Palais de Nations, 1211, Gene Switzerland.

High Commissioner: Antonio Gu (Portugal)

High Commissioner for Human R

The post was established in 1993. The mission has 53 members.

High Commissioner: Louise A (Canada)

Specialised Agencies

International Atomic Energy Agency International Atomic Energy Agency (ie into existence on 29 July 1957. Mem-States: 138.

IQ: Vienna International Centre, P.O. Box), A-1400 Vienna, Austria.

Nebsite: http://www.iaea.or.at/worlda-

Director-General: Mohamed El Baradei jypt).

iited Nations Industrial Development 'quisation

United Nations Industrial Development rganisation (UNIDO), provides developing to underdeveloped countries with advice on laspects of industrial policy. Converted into specialised agency of UN in 1985.

HQ:Vienna International Centre, P.O.Box 00, A-1400 Vienna, Austria.

Website: http://www.unido.org

Director-General: Carlos Alfredo Magarinos

food and Agriculture Organisation (FAO)

The UN Conference on Food and Agriculture in May 1943, at Hot Springs, Virginia, set up an Interim Commission in Washington in July 1943 to plan the FAO, which came into being on 16th October 1945. Sponsors the World Food Programme.

HQ: Viale delle Terme di Caracalla, 00100 Rome, Italy.

Website.http://www.fao.org

Director-General: Jacques Diouf (Senegal)

United Nations Educational, Scientific and Cultural Organisation (UNESCO)

A Conference for the establishment of an Educational, Scientific and Cultural Organisation of the United Nations was convened by the Government of the UK in association with the Covernment of France, and met in London, 1 to 16 Nov. 1945. UNESCO came into being on 4 Nov. 1946.

HQ: UNESCO House, 7 Place de Fontenoy, 75352 Paris 07SP, France, .

Website.http://www.unesco.org

UN Secretaries General

Year	Name	Nation
1946	Trygve Lie	Norway
1953	Dag Hammarskjo	ld Sweden
1961	U Thant	8urma
1972	Kurt Waldheim	Austria
1982	Javier Peres De Cuellar	Peru
1992	Dr. Boutros Boutr	20
	Ghali	Egypt
1997-	Kofi Annan	Ghana

Director General: Koichiro Matsuura (Japan).

World Health Organisation (WHO)

An International Conference, convened by the UN Economic and Social Council, to consider a single health organisation resulted in the adoption on 22 July 1946 of the constitution of the WHO.

HQ: Avenue Appia 20, CH-1211 Geneva 27, Switzerland

Rgl. Offices: Alexandria, Brazzaville, Copenhagen, Manila, New Delhi, Washington.

Website:http://www.who.int

Director-General: Lee Jong-Wook (S. Korea)

International Monetary Fund (IMF)

The International Monetary Fund was established on 27 Dec. 1945 as an independent international organisation and began operations on 1 March 1947. The IMF aims to preserve economic stability and to tackle-or ideally prevent - financial crises. Over time, its focus has switched to the developing world. HQ: 700 19th St. NW, Washington, D.C, 20431, USA. Offices in Paris and Ceneva.

Website: http://www.imf.org

Managing Director: Rodrigo de Rato (Spain)

International Bank for Reconstruction and Development (IBRD)

Conceived at the Bretton Woods Conference, July 1944, the 'World Bank' began operations in June 1946.

HQ: 1818 H. St. NW, Washington, D.C., 20433, USA

Website: http://www.worldbank.org President: Paul Wolfowitz (USA)

International Development Association (IDA)

A lending agency which came into existence on 24 Sept., 1960. Administered by the World Bank, IDA is open to all members of the Bank.

international Finance Corporation

International Finance Corporation (IFC) is an affiliate of the World Bank. Established in July 1956.

HQ: 1850 ISt., NW, Washington, D.C., 20433, USA. Website:http://www.ifc.org President: Paul Wolfowitz (USA)

International Civil Aviation Organisation

International Civil Aviation Organisation (ICAO) formed in Nov-Dec. 1944.

HQ: 999, University Street, Montreal, PQ, Canada H3C 5H7.

Website: http://www.icao.org

Secretary-General: Dr. Taieb Cherif (Algeria)

Universal Postal Union

Universal Postal Union (UPU) was established on 1 July, 1875, when the Universal Postal Convention adopted by the Postal Congress of Berne on 9 Oct. 1874 came into force.

HQ: Weltpoststrasse 4, 3000 Berne 15, Switzerland.

Website:http://www.upu.int Director-General: Edouard Dayan (France)

International Telecommunication Union (ITU)

The International Telegraph Union, founded

in Paris in 1865, and the International Ra diotelegraph Union, founded in Berlin ir 1906, were merged by the Madrid Convention of 1932 to form the ITU.

HQ: Place des Nations, CH-1211 Geneva-20, Switzerland. Website:http:// www.itu.int

Secretary-General: Yoshio Utsumi (Japan,

International Labour Organ sation

International Labour Organsation (ILO) es tablished in 1919 as an autonomous par of the League of Nations, is an intergovernmental agency with a tripartite structure, in which representatives of governments, employers and workers participate In 1969 the organi-sation won the Nobe Peace Prize, Has 150 members.

HQ: International Labour Office, CH-1211, Geneva 22, Switzerland.

Website: http://www.ilo.org

Director-General: Juan Somavia (Chile).

World Meteorological Organisation (WMO)

Conference of Directors of the Internationa Meteorological Organisation (set up if 1873), meeting in Washington in 1947, adopted a convention creating the WMO.

HQ: Case Postale 2300, CH-1211 Geneva-2, Switzerland.

Secretary-General: Michel Jarraud (France)

The International Maritime Organisation

The International Maritime Organisation (IMO) was established as a specialised agency of the UN by the UN Maritime Conference at Geneva in Feb./Mar. 1948.

HQ: 4 Albert Embankment, London SEI 7SR,UK. Website: http://www.imo.org

Secretary-General: Efthimios Mitropoulos (Greece)

World Trade Organisation

The World Trade Organisation (WTO) is

Member States of the UN (Nation/Year of admission)

•	*O.46 . Company	1973	129. Nigeria	1960
	1946 65. Germany 1955 66. Ghana	1957		1945
ibania	1955 66. Ghana 1962 67. Greece	1945		19/1
lgeria -	1993 68. Grenada	1974		1947
undorra	1976 69. Guatemala	1945	133.Palau	1994
Ingola	1981 70. Guinea	1958	134. Panama	1945
Antigua and 8arbuda	1945 71. Guinea-8issau	1974	135.Papua New Guinea	1975
Argentina	1992 72. Guyana	1966	136. Paraguay	1945
Armenia	1945 73. Haiti	1945	137. Peru	1945
Australia	1955 74. Honduras	1945	138. Philippines	1945
Austria	1992 75. Hungary	1955	139. Poland	1945
Azerbaijan	1973 76. Iceland	1946	140. Portugal	1955 1971
8ahamas	1971 77. India	1945	141.Qatar	1955
8ahrain Bandadash	1974 78. Indonesia	1950	142. Romania	1945
Bangladesh	1966 79. Iran	1945	143. Russia	1962
, Barbados Belarus	1945 80. Iraq	1945	144. Rwanda	1983
. Belgium	1945 81. Ireland, Rep. of	1955	145.5t. Kitts and Nevis	1979
3. Belize	1981 82. Israel	1949	146. St. Lucia 147. St. Vincent and Grenadine	
). Benin	1960 83. Italy	1955	147.5E VINCEIL AND CHEROLING	1976
0. Shutan	1971 84. Jamaica	1962	148, 5amoa	1992
1. Bolivia	1945 85. Japan	1956	149. San Marino 150. Sao Tome & Principe	1975
2. Bosnia-Herzegovina	1992 86. Jordan	1955		1945
23. Botswana	1966 87. Kazakhstan	1992	151. Saudi Arabia	1960
24. Brazil	1945 88. Kenya	1963	152. Senegal	1976
25. Brunei	1984 89. Kiribati	1999	153. Seychelles	1961
26. Bulgana	1955 90. Korea (North)	1991	154. Sierra Leone	1965
27. Burkina Faso	1960 91. Korea (South)	1991	155. Singapore	1993
28. Burundi	1962 92. Kuwait	1963	156. Slovakia	1992
29. Cambodia	1955 93. Kyrgyzstan	1992	157.Slovenia 158.Solomon Islands	1978
30. Cameroon	1960 94. Laos	1955	159. Somalia	1960
31. Canada	1945 95. Latvia	1991	160.5outh Africa	1945
32. Cape Verde	1975 96. Lebanon	1945		1955
33. Central Aincan Rep	ublic 1960 97. Lesotho	1966 1945	161. Spain 162. Sri Lanka	1955
34. Chid	1960 98. Libena	1955	163.Sudan	1956
35. Chile	1945 99. Libya	1990	164.Suriname	1975
36. China	1945 100. Liechtenstein	1991	165. Swaziland	1968
37. Colombia	1945 101. Lithuania 1975 102. Luxembourg	1945	166. Sweden	1946
33. Comoros		1993	167.5witzerland	2002
39. Congo, Rep. of the		1960	168. Syria	1945
41. Costa Rea	1945 105. Malawi	1964	169. Tajikistan	1992
42. Cote d-lyoure	1960 106. Malaysia	1957	170. Tanzania	1961
43. Creatia	1992 107. Maldives	1965	171. Thailand	1946
44. Cuba	1945 108. Mali	1960		1960
45. Cyprus	1960 109. Maita	1964		1999
46. Czech Republic	1993 110. Marshall Islands	1991		1962
47. Dermark	1945 111. Mauntania	1961		1956
48. Dj.boub	1977 112 Mauntius	1968		1945
49. Dominica	1978 113.Mexico	1945		1992
50. Dominican Reput	siic 1945 114.Micronesia	1991		2000
51. East Timer	2002 ¹ 115. Moldova	1992	2 179.Uganda	1962
\$2. Ecuador	1945 116. Monaco	199		1945
53. Egypt	1945 117.Mongolia	196		1971
54. El Salvador	1945 118. Montenegro	200		1945
(\$5. Equational Curie		195	_	1945
56. Entrea 57. Estoma	1993 i 120. Mozambique	197		1945
58. Ethiopa	1991 : 121.Myanmar	194		1992
59 Fig.	1945 122 Namibia	199	100110-10	1981
60. Enland	1970 * 123. hauru	199		1945
61. France	1955 124.hepal	195		1977
62. Cubon	1945 125.1 letterlands	194		1947
63. Carries	1965 126.1 ierr Zesland 1965 127.1 icaragus	19.		1945
64. Ceorga	1992 123.higer	19-		1964
	• १७७८	19	60 192. Zimbabwe	1980

an international body whose purpose is to promote free trade by persuading countries to abolish import tariffs and other barriers. As such, it has become closely associated with globalisation.

Based in Geneva, the WTO was set up in 1995, replacing another international organisation known as the General Agreement on Tariffs and Trade (GATT). The WTO has a much broader scope than GATT regulated trade in merchandise goods, the WTO also covers trade in services, such as telecommunications and banking and other issues such as intellectual property rights.

HQ: Centre William Rappard, 154 rue de Lausanne, CH-1211 Geneva 21, Switzerland.

Website: http://www.wto.org

Director General: Pascal Lamy (France)

World Intellectual Property Organisation (WIPO)

The Convention establishing WIPO was signed at Stockholm in 1967 by 51 countries, and came into force in April 1970. In Dec. 1974 WIPO became a specialised agency of the UN.

HQ: 34, Chemin des Colombettes, 1211 Geneva 20, Switzerland.

Website:http://www.wipo.int

_ Director-General: Dr. Kamil Idris (The Sudan).

International Fund for Agricultural Development (IFAD)

The agency began its operations in Dec 1977.

HQ: 107 Via del Serafico, Rome 00142, Italy. Website:http://www.ifad.org

President: Lennart Bage (Sweden).

Weibgilinolei:

T.P.Sreenivasan

Formerly India's Ambassador & Dy. Permanent Representative to UN

For a human institution with universal reach in a changing world, the United Nations has remained surprisingly unchanged in form for sixty years and its charter has remained largely unaltered. The complex procedure for amending the charter has deterred frequent changes and its proven resilience in the face of grave challenges has enabled the UN to meet the needs of the vastly expanded membership and the greatly transformed agenda without fundamental change. The resolutions, declarations and treaties, adopted over the years, have enriched international law. Many important intergovenimental and secretariat bodies have been created under the principal organs of the

UN. As a result, the UN has remained dynamic, credible and modem. But the quest for reform continues, if only to get the organization to acknowledge the evolution in international law and to reflect the realities of the world situation.

The reform effort, which began soon after the UN Charter came into force, can be broadly grouped into two clusters; the first relating to structural reforms to accommodate the physical changes in the world, like the exponential increase in the number of members and the changes in the political map of the world and the second relating to the functioning of the various organs of the UN. But restructuring in terms of amendments to the Charter has not

one beyond the barest minimum. So far, only iree amendments have been made to the harter. In 1965, the UN Security Council was xpanded from 11 to 15. In 1965, the Ecoomic and Social Council (ECOSOC) was exanded from eighteen to twenty-seven. The COSOC was again expanded from 27 to 54 1973. Elementary things like changing the names of the permanent members from the lepublic of China to the People's Republic of Thina and the Union of Soviet Socialist Repubics to the Russian Federation have not been ione yet and the charter still has the "enemy lause" to characterize the losers of the second world war, who are now highly respected members of the organization. In a way, it is a tribute to the framers of the charter that the UN has not collapsed under the weight of the monumental changes in the world since 1945.

Democracy Deficit

The "democracy deficit" of the UN, which has been consciously embedded in the UN charter, has been the most controversial element. In an organization which proclaims sovereign equality among its members, some are "more equal" than others. One nation one vote principle applies only to the General Assembly. The Security Council, the repository of the power to make war and peace, has remained in the grip of the veto- wielding permanent members, without whose support, no decisions can be taken. A further dimension was added to the powers of the permanent members when it came to be recognized that even an abstention by a permanent member is sufficient to take decisions. Once the agreement among the permanent members, with abstention from China, became a possibility after the cold war, it becarrie clear that issues of fundamental importance to the developing world would be Milied by the developed world. The demand In the expansion of the Security Council asterred importance in this context.

India had initiated a move in 1979 to expand the non-permanent membership of the Security Council on the basis that the ratio between the general membership and the Security Council members should be preserved at 1945 level. Although the proposal had the support of a majority of the member states, no vote was taken on it as the permanent members made it clear that they would not support it. But after the cold war, some of the permanent members themselves favoured the induction of Japan and Germany as permanent members. When the pressure mounted for including developing countries from Asia, Africa and Latin America as permanent members, the idea of an expansion was virtually abandoned.

High Level Panel

The reform of the Security Council, together with other ideas of relorm, surfaced again when the Secretary General constituted a High Level Panel in 2004 to examine the whole gamut of issues arising from terrorism and other threats to international peace and security. The panel was unable to make a single recommendation on the expansion of the Security Council, Instead, it made two recommendations, which was like making no recommendation at all. As the first option, it suggested an addition of six new permanent members, two each from Africa and Asia and one each from Europe and Americas and three non-permanent members. In the secand option, it proposed no additional permanent seats, but eight seats with four-year renewable terms, a kind of a rotational system of sensepermanent members. Under this option, if ere will also be one additional non-permanent seat.

The Secretary General modified some of the Panel's recommendations when he put usem forward to the General Assembly in a report, entitled "In larger Freedom", but presented buth the alternatives for reform of the Security Couroil to the sixtleth anniversary till surrout be stressed that the summat should choose core of

ne two options or devise a third method by thich the Council could be reformed to bring it oser to the realities of the political situation. He aggested a decision by consensus, but added nat reform should go forward by voting, if necessary. The reform package presented by the ecretary General did not make much headway nd there was no question of a consensus on the expansion of the Security Council. The pertanent members, particularly the United States, id not want an expansion of the Council to the xtent suggested.

In an ill-advised move, four of the candidates, ndia, Brazil, Germany and Japan (G-4) preented a resolution on expansion on the basis if the first alternative of the Panel report in the xpectation that it would receive a two third najority in the General Assembly. The plan was o present a fait accompli to the permanent nembers to force them to ratify the changes. JK and France supported the move, but the JS, Russia and China opposed it in different degrees and ensured that the resolution was not even put to a vote. The African group refused to support the G-4 resolution on the ground that the resolution did not seek veto for the new permanent members, Japan also dissociated from the G-4 approach when it realized that it had a better chance of becoming a permanent member on its own rather than ' in the company of G-4. In actual fact, the Africans were not able to agree on two candidates from Africa. Moreover, they succumbed to the pressure from the US not to join the G-4 exercise. The US position is that a limited expansion is possible, but the immediate priority is to bring in financial and management reform and not reform of the Security Council. Most of the developing countries, however, are not ready to bring in the kind of reform that the US has presented. The expansion proposal has once again receded into the background.

The discussion on the functioning of the Security Council in a Working Group since 1992 has brought about some marginal im-

provements in the accountability of the Council to the General Assembly. Methods were devised, without any changes in the charter or the Rules of Procedure, to share information with the general membership of the UN. The number of open meetings were increased to seek the views of the non-members of the Security Council. Troop contributors were brought into a consultation mechanism so that the Council could take informed decisions on peacekeeping operations. The Presidents of the Council began briefing the general membership on the Council's activities. These were not changes in substance as the briefings did not cover the discussions in the Council's informal consultations and they did not reveal anything that was not known to the membership. But the acknowledgement of the accountability of the Council to the General Assembly itself was a major advance.

Agenda for Peace

Soon after the end of the cold war, the Secretary General, Boutros Ghali, put forward a set of proposals for reform in his "An Agenda for Peace" in 1992. It was essentially a codification of the changes that had taken place over the years. But some of the elements in his proposals, such as dilution of sovereignty, setting up of a standing force for the UN and strengthening of the post of the Secretary General himself proved contentious and only marginal reform in peacekeeping operations was accomplished. His proposals in "An Agenda for Development" were even less successful as the developed countries were not willing to take on additional financial responsibilities.

The reform proposals advanced by the Secretary General in 2005 went beyond the Security Council. These included reform of the General Assembly itself in terms of rationalizing its work and agenda, replacement of the Human Rights Commission by a smaller Human Rights Council with greater authority, setting up of a Peacebuilding Commission and man-

Secretary-General: Ong Keng Yong (Singapore)

Caribbean Community and Common Market (CARICOM)

Established in 1973.

HQ: Bank of Guyana Building, PO Box 10B27, Georgetown (Guyana).

Website:http://www.caricom.org

Secretary-General: Edwin W. Carrington (Trinidad and Tobago)

Commonwealth of Independent States

Commonwealth of Independent States (CIS), created Dec. 1991 upon the disbanding of the Soviet Union. It is made up of 12 of the 15 former Soviet constituent republics. Members in 1995 were Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan. The capital of the commonwealth is Minsk, Belarus.

HQ: 220000 Minsk, Klrava 17, Belarus Website:http://www.cis.minsk.by Executive Secretary: Yurii Yarov.

The Commonwealth is an organisation of nations and dependencies that were once part of the former British empire. There are 54 members. The British monarch is the symbolic head of the Commonwealth.

Commonwealth Heads of Government Meet

Formerly known as the British Commonwealth of Nations, the Commonwealth is a loose associaton of former British colonies, dependencies and other territories - and Mozambique, which has no historical ties to Britain.

The Commonwealth has no constitution or charter, but the heads of government of its member states hold Commonwealth Heads of Government Meetings (CHOGM) every two year to discuss issues of common interest.

Founded: 1931

Members: 53 states

HQ (Secretariat): Marlborough House, Pall Mall, London. SW1Y 5HX,UK.

Website: http://www.thecommonwealth.

Secretary-General: Donald C McKinnon (New Zealand).

European Union Known as the European Community

European Union was known as the European Community (EC) until 1994. The name covers 3 organisations with common membership: the European Economic Community (Common Market), European Coal and Steel Community, and European Atomic Energic Community (Euratom). The European Union covers a large part of the continent of Europe. In 2004, its membership increased from 15 to 25. The ten new countries which joined the EU in 2004 are: Cyprus, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Slovakia and Slovenia. When two more countries join in 2007, the EU will have a population of nearly half a billion.

HQ: 200 rue de la Loi/Wetstraat, B-1049 Brussels, Belgium

President, European Commission: Romano Prodi (Italy).

Website:http://www.europa.eu.int Sec. Gen.: David O'Sullivan (Ireland)

European Economic Area

European Economic Area (EEA) came into existence from Jan. 1, 1994 as a preliminary step of a proposed merger of EFTA and EC over the coming decade.

European Space Research Organisation European Space Research Organisation (ESRO) was formally established in 1964 to promote collaboration among European States in space research and technology exclusively for peaceful purposes. The

members are Belgium, Denmark, France,

t Germany, Italy, the Netherlands, n, Sweden, Switzerland and UK. Aus-Ireland and Norway participate as obers.

Q: Paris.

ich Community

ich Community offers to the French overterritories, which manifest their will to ere to it, new institutions based on the nmon idea of liberty, equality and fraterand conceived with a view to their demoic evolution.

ndependent members of the Community French Republic, Central African Repub-Republic of Congo, Gabon, Senegal, ad, Madagascar, & Djibouti.

oup of Elght

th no headquarters, budget or permanent ff, the Group of Eight is an informal but lusive body whose members set out to kle global challenges through discussion d action. The G8 comprises seven of the rld's leading industrialised nations, and ssia.

ounded: 1975, Rambouillet, France riginal Members: France, Germany, ly, Japan, UK, US.

ater Members: Canada (joined at 1976 mmit, San Juan, Puerto Rico), Russia (joined 1998 summit, Birmingham, UK)

olf Co-operation Council (GCC)

The Gulf Co-operation council, or GCC, is loose political and economic alliance made of six Gulf states. It aims to boost ecoomic cooperation between members and, srough collective security, to guard against ny threat from neighbouring states and om islamic terrorism.

The GCC was formed in May 1981 against he backdrop of the Islamic revolution in Iran and the Iraq-Iran war. Its members - Saudi Vabia, Kuwait, the United Arab Emirates, Oman, Qatar and Bahrain - share similar political systems and a common social and cultural outlook. They are autocratic monarchies or sheikhdoms, with limited or non-existent political participation.

HQ: Riyad (Saudi Arabia).

Sec. Gen: Abdul-Rahman Al-Atiyyah

The International Air Transport Assoclation

The International Air Transport Association (IATA) was founded in 1945 to promote safe, regular and economical air transport and to provide a forum for collaboration. Members are international and domestic airlines.

Main offices: IATA Centre, Route de l'Aeroport 33, PO Box 416, CH-1215 Geneva, Switzerland; 800 Place Victoria, PO Box 113, Montreal, Quebec, Canada H4Z 1M1; 77 Robinson Road, #05-00 SIA Building, Singapore 068896.

Website: http://www.iata.org Director-General: Giovanni Bisignani

INTERPOL

Interpol is the world's largest international police organisation, with 184 member countries. Created in 1923, it facilitates cross-border police co-operation, and supports and assists all orga-nisations, authorities and services whose mission is to prevent or combat international crime.

HQ: Quai Charles de Gaulle, 69006 Lyon, France.

Website: http://www.interpol.int Secretary-General: Ronald K. Noble

North Atlantic Treaty Organisation (NATO)

In 1949, the foreign ministers of Belgium, France, Luxembourg, the Netherlands, UK, Canada, Denmark, Iceland, Italy, Norway, Portugal and USA met in Washington and signed the North Atlantic Treaty. Greece and Turkey (1952), the Federal Republic of Germany (1955) Spain (1982).

The Czech Republic, Hungary and Poland

Comoros, Djibouti, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Palestine L.O., Qatar, Saudi Arabia, Somalia, Sudan, Syria, Tunisia, UAE, and Re-

public of Yemen. HQ: Al Tahrir Square, Cairo, Egypt. The Secretariat has its seat in Cairo. Secretary General: Amre Moussa (Egypt).

Organisation of Petroleum Exporting Countries

Organisation of Petroleum Exporting Countries (OPEC) created in Sept., 1960, OPEC attempts to set world oil prices by controlling oil production. It also pursues members' interests in trade and development dealings with industrialised oil-consuming nations.

Members (1998): Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

HQ: Obere Donaustrasse 93, A-1020 Vienna, Austria.

Website:http://www.opec.org

Secretary-General: Ahmad Fahad Al-Ahmad Al Sabah (Kuvait)

Non-Aligned Movement

up of 114 developing countries and aims t represent the political, economic and culture interests of the developing world. The prin ciples of non-alignment were defined in th Bandung (Indonesia) Declaration of 1955 an reiterated in the Brioni (Yugoslavia) Declara tion of 1956 by Jawaharlal Nehru, Josip Bro Tito, and Gamel Abdil Nasser. The first Nor aligned Conference was held at Belgrade i 1961 in which 25 countries participated. Th basic thrust of the movement is in favour of peace, disarmament, development, indeper

The Non-Aligned Movement (NAM) is mad

Chairman: Abdullah Ahmad Badawi (Ma laysia).

dence, eradication of poverty and illiteracy

South Aslan Association for Regional Co-operation

South Asian Association for Regional Co-op eration (SAARC), comprises India, Maldives Pakistan, Bangladesh, Sri Lanka, Bhutan and Nepal It was launched following the Dacci Summit in early December 1985

Members of ASEAN, EU, NATO & OPEC

South East Asian Nations (ASEAN)

Member Countries (10) Brunei Darussalam, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam.

European Union (EU)

Member Countries (25): Austria, Belgium Cyprus, Czech Republic. Denmark, Estonia, Fizland, France, Germane

The Association of Greece, Hungary Prejand Italy, Latvia, Lithuana 224 embourg, Malta Poland Portugal, Slevaxia १ उन्हरू व Spain, Sweden The Norther lands, United Knoon h

North Atlantic Treaty Organisacon (NATO)

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way, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Turkey, United Kingdom, United States,

Organisation of Petroleum Exporting Courtries (07:EC)

Member Cultiv (13): Yan, ras 🔑 Salai Araba (a Milia Quin nimma ' Laure et en e ____

HQ: POBOX:4227, Kathmandu, Nepal. Secretary-General: Chenkyab Dorji (Shutan)

Non-governmental Organi sations Annesty international

A world-wide human rights organisation, established on May 28, 1961 with a newspaper appeal by the British lawyer Peter Berenson. Flow it has more than 11,00,000 members in more than 150 countries with 6000 local groups in 70 countries in Africa, the Americas, Asia, Europe and the Middle East, it won the Nobel Prize for Peace in 1977.

International Secretariating-119 Rosebery Avenue, London, ECHE 3RE, UK

Website: http://www.amnesty.org Secretary General: Ms, Irene Zobalda Khan

Red Cross

International Society for reflet of sulfering in time of war or disaster, international Committee of Red Cross was founded (1863) on advocacy of J.H. Dunant (1828-1910). Delegates from 14 countries adopted Geneva Convention (1864), providing for neutrality of personnel freating wounded rtc. Over 100 national Red Cross societies now exist. Awarded Nobel Peace Pdve (1917, 1944, 1963).

HQ: 19 avenue de la Palx, CH-1202 Geneva, Switzerland

Website:http://www.krc.org President:jakob Kellenberger

Scouts and Guides

ment for young people started by an Englishman, Lieutenant General SIr Robert S.S. Baden-Powell (1857-1941) in 1907. He gave boys out-door skills which he had illustrated welf in his book explaining scouting, tracking and map-making skills. The movement's goals include encouraging good character, loyalty to God and country, service to other people and physical and mental litness. "Be Prepared" is the slogan, the movement had about 13 million members in 115 nations in 1982. The World Scouts Bureau is in Geneva, Svitzerland.

Scouting is a worldwide organised move-

A similar movement for glrb – the Girl Guide Movement – was founded by Baden-Powell and his sister Agnes in 1910,

The World Council of Churches

The World Council of Churches (WCC) was formally constituted on 23rd Aug. 1948, at Amsterdam, by an assembly representing 147 Churches from 44 contries. By 1989 the member Churches numbered over 330, from more than 100 countries.

HQ: PO Box 2100, 150 route de Feiney, 1211 Geneva 2, Switzerland,

Website:http://www.wcc-coe.org

General Secretary: Rev. Dr. Samuel Kobla (Germany).

Modificaligious

Religions evolved as a set of beliefs concerning the cause, nature and purpose of the universe and grew as an

organised system of beliefs that bound people to become a close-kult society.

105 106 100

Religion	World Population	ivev-kergionisis	105,106,100
		Sikhs	24,295,200
Christians	2,069,883,000	Jews	14,551,000
Roman Catholics	1,092,853,000	Spiritists	12,732,600
Protestants	364,530,000	Baha'is	7,503,000
Orthodox	217,030,000	Confucians	6,425,300
Anglicans	79,988,000	Jains	4,413,700
Muslims	1,254,222,000	Shintoists	2,680,300
Hindus	837,262,000	Zoroastrians	2,733,900
Chinese folk religionist	398,106,300	Other religionists	1,118,000
Buddhists	372,974,000	Non-religious	784,269,000
Ethnic religionists	238,096,000	Atheists	148,660,000
•			
			•
William Allinson	والماس معورة مناور المعور الوالوا عامل		,

Javanese

Telugu

Marathu

au Ratainniete

there are thousands of languages in the world, but most of them have few speakers compared with the major tongues. Some experts predict that between 50 and 90 percent of the world's languages will become extinct this century. Languages need at least 100,000 speakers to survive.

Major Lang	French		
Lang- uage (Speakers in Million)		Italian Punjabi, Western
Chinese, Manda	nn 873	China, Tanvan	Urdu
Spunish English	322 309	Spain, Latin America UK,USA,Canada,Ireland, Australia, New Zealand	Chinese, Yue Turksh Arabic, Egyptian
Hindi Portuguese Bengali Russian Japanese Cerman, standa	180 177 171 145 122 rd 95	North India Portugal, Brazil India, Bangiadesh Russa, The CIS Japan Cermany, Austria	Chinese, Min Nan Cujarati Chinese, Jiniu Poish Livanian Chinese Xung Malajalam
Chiece, Wu	27	Switterland China	Narvada

Vielnamese	67	Vietnam
Korean	67	North & South Norea,
		China, Japan
TamJ	66	Taminadu (Iridia),
		Sh Lanka, Malaysia
French	0-1	France, Bolg um,
		Canada, Switterland
مجانية	ſa	بزنداا
Punjabi, Western	60	Pakistan
Urdu	60	India, Pakistan
Chinese, Yue	54	China
Turkish	50	Tutkry
Arabic, Egyptan	40	Egypt
Chinese, Min Nan	40	Chara
Cuparati	40	Gujarat (thia)
Chinese, Iniu	45	Çta 3
rain	42	F. 44 4
Ukrainian	39	Usraine, Russia
Chnese Yung	36	± 4. ★

35 35

75

69

63

75 Jana (Indonesia)

69 Andhra (Indu)

68 Maharashtra (India)

AMPARTHURA GARAYAN HEBIHIRA AMPARTHURA GARAYAN HEBIHIRA

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ील इंग्लीने व्यवस्थात् । भारत्माता भागी जी गरी interference the entire through terminal that in finan follout states ीत्व किता मुगीमा મીલવાતી તાલ વસાનુકામાં આવેલ કોઇ હા મિલીની रहा क्रिक्स हो अपने हैं, बाक बीका के बाकामार्ग दिवन remember of the property of the street of the નામ તાલુકામાં મામ્યાના છે. માટે માટે માટે માટે માટે જેવા છે. માટે માટે જેવા માટે જેવા માટે જેવા માટે જેવા માટે on the and, the same male along the अभारे) he faid solor के इन्ति वर्गामा है। more and a following to the formal or the furterrenten di Abrod ay English (1914 or o o e 14 rillian della (ji 300a, basal an majod co affannja fatos, and talka specifical british to All મામાંમણ એ તીના બાદ માં છે છે, જ એમાં તેના છે તેને છે છે છે. gen people the Hiller is now the book of ապար, հիշրդությե արիթ ու դիժա distally accounted for modernitical the lab radius 11 percentido ac grapha blue. for meaning in tillia din papladaga paga mails terms they the salus of olchal and part agent appara at tabbias dellar da tabba

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The second continuing solution of the street

દિવાસાનો એક હતાલુકામાં શ્રી આવેલા છે. nder empgreell zaders, en ligure tabenda મીક્ષક, Brian tal rion) એ સીક્ષાણીમાં માં સીનોએ հոլիրհոր այսի կումի է լոյես մես ինահայության to i) have their himon bitt for china borderes out յինչ, իզմիյալ առային հերագուծ հոհեր կազգային Մ नाम होनेपाल दिवस को सामान सामा हो होने नामी न this of Salat development countries book by to व अवस्थित है। बच्चेनामा आक्रमाना स्थापना है। િલ બી માનુક એક નીવડ તેલું છેટ પ્રદાસ અભાઈ લાહાઇ abane do brasilio ili sanda di Dimi carint« This could finish as one to could marketely ան ի քմիչ է մանրալ աշկինարում ին չկրոթու Salamanii asdsianis (CHA), mixtly rome a domal, middlabaed Maddillen d'Intolo that an exist bank, and satheat thib cand Hundley, and palsales rapidal the or itop but the of his edition and particle the seas for the secommo ped lugos dopedigod)

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The lide mallen designings of seem, as noticed in the end of the end of the end of the end of the end visible March (see design).

ectives of advancing trade and development and maintaining the stability of the international monetary system, though it has been shaken by a series of crises over the last three decades; but the dramatic shifts in the economic power of nations, especially of Asia, and the paramount importance of ending global poverty, hunger and disease calls for new mechanisms which are more responsive to the needs and urges of the vast majority of mankind. The United Nations system, itsell in the process of some reform and revitalization, has called for an overhauling of the international economic institutions and policies which are no longer as relevant as they may have been in the past.

Trends in trade and capital flows are reviewed briefly in the following paragraphs. What is of great concern is that despite robust growth of the world economy, driven by not only USA but also China, India and other dynamic economies in Asia, there is no visible impact on narrowing of rich-poor income disparities while even in fast-growing major developing countries, the rural-urban divide has been widening. Also, the output expansion of recent years has not been accompanied by employment generation matching the rise in the adult work force. The number of unemployed had risen to 192 million in 2005, half of them young men and women, a situation which could potentially have serious social and economic consequences.

Challenge of Poverty

Global poverty remains the biggest social challenge. Some 1,2 billion people are living on less than a dollar a day in the international measurement of poverty - and more than two makon people on less than two dollars a day Though poverty reduction became a central objective of development for over two or three decades, the recorded progress so far falls short of expectations, partly due to ineffective or mismanaged implementation of

schemes to benefit the poor. There have been impressive gains in a few emerging economies in East Asia, notably China and moderate progress in South Asia - home of half of world's poor - but there is virtual stagnation in sub-Saharan Africa.

The Millennium Development Goals on social development including reduction of poverty by one-hall by 2015, adopted by the international community at a UN Summit in 2000, may not be fully achieved, even in India. These goals, apart from poverty reduction, included alleviation of hunger and malnutrition, achieving universal literacy, decline in infant and maternal mortality rates, gender equality in school enrolment and emposyering women, and ensuring environmental sustainability. Global monitoring of these goals shows that some of the rapidly growing economies could reduce poverty by half but most would fail on other social targets, barring Sub-Saharan Africa, which is unlikely to meet any of the goals

Troubled Transition

The twenty-first century opened on a troubled note, terrorism posing the greatest threat to a world since the end of the Second World War sixty years ago, and nation-states are encountering new challenges, both geopolitical and economic, not foreseen in the latter part of the 20th century. The Millennium has not ushered in an era of relative peace and harmonious development for the peoples of the world, especially for the twothirds of them in the developing world. To

insurgent violence, local conflicts, ethnic cleansing and state tyranny has been added terrorism in valicus manifestations on a q'obal scale. All these are impacting on the nonmal life of peace-losing peoples all over the world max much as these cutrages in siderable damage to human lives ductive assets entailing bravy of communities and Covernments a

case of developing countries, slow down the wheels of progress.

On the economic and social side, with which this review of Global Economy is concerned, recent years have seen the explosive surge in the price of oil, which lubricates the global economy, hurting more seriously economies of oil-importing developing countries. The resulting significant rises in domestic costs and spiralling of consumer prices lead in turn to firming up of interest rates which could dampen growth. Also, the heavier import bills cause a drain on the foreign exchange reserves of these countries. Secondly, global imbalances, though relatable to a small group of countries (USA with a huge current account deficit matched by large trade and capital account surpluses of oil-exporters and a few emerging economies, mainly Asian, are raising fears of a sudden unwinding leading to exchange rate volatility and financial market destabilization with potentially negative impact on growth and development of other developing economies. Thirdly, the spread of

globalisation relying on market forces has, far from creating new growth opportunities for the developing countries, not only accentuated the rich-poor divide but also failed to lower levels of unemployment even if jobs are generated in a few high-tech sectors for skilled professionals. Votaries of globalisation, however, keep urging countries to undertake structural reforms to reap the gains and avoid the risks inherent in the free play of market forces.

Structural Changes

The world economy has been undergoing transformation gradually over the last century and the twenty-first century has already ushered in the Information Technology and a Communications Revolution which would have a great impact on the operation of the economic system. Structural changes are under way as there is growing rivalry for global competitiveness, as reflected in not only outsourcing of business services in the ITs tor but also location of manufactures in co tries providing low-cost labour and natu resources. Production processes in the c bal economy are thus getting more in grated.

These may be contributing to global p ductivity and supply of labour, skilled a low-skilled, and should normally help ke prices of products lower. Multinational fir from both developed and developing cor tries have been acquiring business abro through mergers and acquisitions, which n make up the larger part of foreign direct vestment flows. But not all developed nation which have for long embraced capitalism of serve the rules of economic liberalism the globalisation implies. Many leading counti in Europe and North America are seeking restrict foreign investments in certain sect or prevent take-over blds, without allowing choices to economic players. "Strategic co cems" and security considerations are cit for such restrictive policies which are comp mented by trade protectionism undermini free flow of goods and services within I rules and disciplines of the multilateral tra ing system (WTO).

Doha Round

Global trade in goods and services can t dergo radical changes if the Doha Develo ment Round of multilateral trade negotiation can be successfully concluded. In mid-200 even after five years of its launching, the Do Round had made no substantive progress the key issues of trade in agriculture (reda tion of domestic support for farmers, phasi out of export subsidies and greater mark access all involving commitments by the rick nations, especially USA and EU) or loweri of tanffs on manufactured goods. Accordi to the extended time tables, the negotiation were to be concluded by the end of 2006. developing countries have become etitive and seek wider markets for proof their services including temporary ment of personnel and other trade-reissues. For the developing countries, mum gains would come from rich counowering the barriers, especially for their ultural products, and for manufactures as textiles and garments and leather is which they specialize. But the Round lso to ensure the development dimenin any final deaf. In the event of failure e Round, there would be danger of reto protectionism and greater recourse gional and bilateral trade deals between ual partners and further weakening of ule-based world trading order repre-

ed by the 150-nation World Trade

e world population was estimated at 6.4 n in 2005 and the long-term projections

that by 2050, there would be 8 to 9

e Round also covers Services in which

ulation and Food

nisation.

n people, roughly a fifty per cent ine. Bulk of the increase in numbers would developing countries where the growth of population although declining are still er than in the developed world. In fact, e is a declining trend in some of the inrial countries, mainly in Europe includ-Russia. China and India alone have more 40 per cent of the global population. nchecked rise in the numbers of human gs can only aggravate problems of povand meeting basic needs like food and r. The world is still far from realizing food rity for billions of poor and many counface severe shortage of drinking water. sere is the looming energy crisis with oil is likely to remain at unsustainable levels for s to come and there is a desperate hunt for discoveries of odigas as well as for deaner a specially renewable sources of energy.

In the industrial countries, population aging has become the most important economic challenge as over the next 50 years, there would be rapid growth of elderly persons to be looked after by the State with dramatic reductions in the worker-dependency ratio. International migration, with an estimated 200 million people living away from their homes, roughly half of them in the developed countries, is also posing problems of management for host countries though migrants, subjected to discrimination, are absorbed to a certain extent in lower-level occupations. Also, both the industrial and developing countries face immense challenges in renovating/expanding their infrastructure to cope, with an expanding world. economy involving investments in tallions of dollars.

Growth & Risks

Global economy grew at 3.6 per cent in 2005 propelled by both USA, maintaining a 3.5 per cent rise, and fast-growing emerging. market economies, principally China (9.9 per cent) and, to a lesser extent, India (8.4 per cent) while trade volume expanded by over 7 per cent, mainly due to continuing export momentum of developing countries. Growth in trade has been outpacing GDP growth for over a decade now. The global environment has been highly favourable in recent years for non-inflationary growth driven by robust demand, corporate investments, increased productivity and record trade and capital flows. For two years, the world has grappled with the oil price surge, rising from 25 dellars a barrel in 2000 to 65 dollars on average in 2005, without impeding growth. But the high oil prices, which touched 75 dullars in April and again in July 2006, have begun to hit consumers in both advanced and developing countries.

The IMF reported in April that the for 2006 looked even better on the . of higher growth estimates for China, India and Russia, the well-established recovery in Japan (after a decade of recession and deflation) and the emerging signs of recovery in the European Union. The recent economic reforms in China have resulted in a higher GDP in 2004 and with a nearly 10 per cent growth in 2005, China has become the fourth largest economy after USA, Japan and Germany.

A rosy picture of global growth for 2006 and 2007 has been projected though both the IMF and the World Bank have warned of the possibility of downside risks, which could be warded off in 2005, having to be encountered. These relate to an upsurge in inflation from the elevated oil prices and from a possible sudden unwinding of global financial imbalances (with growing US current account deficit of over 800 billion dollars in 2005 and rising trade surpluses and reserves of Asian emerging economies. Global growth at 3.7 and 3.5 per cent in 2006 and 2007 respectively has been projected by the World Bank.

Growth in major economies in 2006 and 2007 is estimated at 3.4 and 3.3 per cent for USA (which recorded a 5.6 per cent rise in the first quarter, rebounding from the sluggish last quarter of 2005), 2.8 and 2.1 per cent (Japan) and 2.0 and 1.9 per cent (EU). Developing countries are expected to grow by 7 per cent in 2006 but growth would be faster at above 8 per cent in East Asia for the two years (China 9.5 and 9 per cent). India's growth, which was above expectation at 8,4 per cent in 2005/06 could have a slowdown to a little over 7 per cent for these two years. according to IMF.

Yet, uncertainties were beginning to build up by mid-2006 as consumer price inflation rates in developed economies, which had remained at historically low levels (1 to 2 per cent) tended to move up, and the monetary measures were tightening in both USA and European Union. On June 29, US Federal Reserve raised the short-term rate to 5.25 per cent, the 17th consecutive increase, while the European Central Bank posted it at 2.75 per cent and both central banks had not ruled out further increases during the year depending on incoming data on inflation and output trends. For developed countries as a whole, CPI was above 3 per cent in May 2006, mainly due to energy prices. Global growth also tends to exert pressure on energy and raw materials markets and on prices. The other issue of major concern already referred to is the global imbalances which are likely to be even higher in 2006, in the 800-900 billion dollar range.

Meltdown in Markets

Unexpectedly, the world stock markets were thrown in turmoil for over four weeks in May-June, as investors reportedly perceived growing risks of inflation and interest rate revisions and adverse impact on growth from heightening geopolitical tensions and this triggered a wave of sell-offs. The mature markets adjusted themselves without much disruption as consumer and business confidence was unshaken but some of the emerging markets like India and Brazil saw more prolonged downturn with the largest falls in market values.

By early July, the Bombay Stock Market had substantially recovered and the sensitive index (Sensex) was well past the 10,000 mark, the high point to which it had raced in the earlier months. The IMF viewed the developments in mature markets as sharp correction of risky assets at the end of a prolonged period of accommodative monetary policy and highly liquid conditions in financial markets that had prompted a global "search for yield". It did not see it as a signal of an impending downturn. For the Indian market, which witnessed large outflows from the foreign portfolio investments, the recovery was relatively slow but by early July the market was ruling

well above its new five-digit benchmark with a balancing of ups and downs.

Global Imbalances:

First, the structural imbalance of the world economy: According to IMF classification, about thirty advanced nations led by USA, EU and Japan had a share of 52.3 per cent of global output of goods and services in 2005 while developing countries (including emerging market economies) accounted for 47.7 per cent. The largest economy, USA, had a share of 20 per cent of global output, followed by EU (14.8 per cent) and Japan 6.4 per cent. Among the developing countries, China accounted for 6.7 per cent of world output, a little higher than Japan's. It also had the highest share in output among developing countries with 15.4 per cent (India 5.9 per cent). In world exports, the share of developed nations was 68.9 per cent while developing countries accounted for around 31 per cent.

China's share of world exports was 6.7 per cent and India's, 1.3 per cent.

The problem of global imbalances has its origin in the high current account deficit of the United States over the years, reflecting mainly its large trade deficit with many trading nations, especially China with which it had a bilateral deficit of 200 billion dollars in 2005. Running twin deficits, budget and current, USA had moved from the position of a net creditor in the world to a net debtor. So long as American consumer demand for cheaper imported good holds, trade deficits would keep growing. In 2005, US current deficit was above 800 billion dollars or 6.5 per cent of its GDP and analysts expected it to further rise in 2006 and later years unless the problem was tackled on a global dimension. The rise in international prices of oil has further worsened the deficits, with USA being a leading oil importer. But in the case of the two key

developing economies China and India

with rising energy demand, China has been able to absorb the oil trade deficit in its surpluses from higher exports while India's current surplus has turned a deficit.

The increase in US deficit is matched by the growth in current account surpluses of oil exporters and that of emerging Asia economies including China. USA is able easily to finance the deficit because both oil-exporters, who have earned an extra 400 billion dollars from the higher prices of exports, and China, besides Japan, along with a few other Asian emerging economies running large trade surpluses and accumulating reserves are investing in US treasury securities. The US Government's efforts to get China to revalue its currency to reduce bilateral trade deficit to some extent did not meet with the desired response. China, however, de-linked its currency, yuan, from the dollar peg and allowed it to fluctuate within a narrow margin as determined by market forces in July 2005. Yuan's appreciation till mid-2006 was a mere 3 per cent against the 10-20 per cent revaluation US business and economists were demanding. China's stand was for achieving greater exchange rate flexibility on a gradual basis without disrupting its domestic economy.

Developing countries as a whole have for some years been having a surplus in current account (which relates to the net outcome of two-way trade, tourism, transport, investment income and outgoes, and miscellaneous receipts including remittances). Not many years ago, they were running sizeable current account deficits. Individually, there are fesver developing countries having currect xcount deficits due mainly to the export in the over of countries like China, Korea, Argund and oil-exporting countries. They were the current account deficits of low-income count

In 2005, devel ing market econ

a combined current surplus of 423 billion dollars as against the current account deficit of developed countries at 510 billion dollars. Here again, many industrial countries have a surplus but USA's deficit of 805 billion in 2005 has turned the current account of developed countries combined negative. The surpluses of developing countries and the deficits of developed countries, on a combined basis, will grow over the next two years. The surpluses have helped many developing nations to accumulate larger reserves of foreign exchange and they had 2,396 billion dollars of reserves at the end of 2005. China had the largest at 824 billion dollars, among developing countries, and by the first half of 2006 the figure had crossed one trillion (1,000 billion) dollars. India's reserves grew slowly to 136 billion, with some repayments, but by mid-2006 it had risen to 162 billion dollars. Reserve losses were recorded in many developed countries.

Against the background of these imbalances in trade and payments, and the unsustainable nature of the US current deficits which are set to worsen in 2006 and 2007, new efforts are being made under the auspices of the International Monetary Fund to secure a rebalancing of global growth, savings and investment. In the opinion of financial institutions and specialists, further accumulation of foreign liabilities by USA in order to finance its current deficits has potentially serious consequences for financial market stability, especially as, at some point, holders of dollar assets might lose their appetite for further investment in USA (which helps to finance the deficit) and this could bring down the dollar. This is easily said than done. For, the dollar, in which most of the global trade is denominated and reserves are held by most countries, enjoys the status of an international reserve currency. This also explains the benign neglect of US Government to the magnitude of the deficits thus far. But, such imbalances unchecked could also strengthen

the protectionist sentiment in USA when the Congress was planning to legislate for punitive levy on imports from China, hel mainly responsible for the large America trade deficits.

Treating the problem as a "shared respon sibility", IMF's policy-setting Ministerial Con mittee authorized the Fund in April 2006 pursue "multilateral consultations" with the concerned Governments to address the in balances while maintaining robust glob growth. In the first such consultation, Chin Japan, EU, Saudi Arabia (all surplus countrie and USA (record deficits) had agreed to pa ticipate in efforts aimed at reducing the in balances on a collective and consensual ba sis. Broadly, it had been suggested for som time that the US should cut its fiscal defici and help stimulate private savings while su plus countries should have greater exchang rate flexibility and take measures to make the economies more domestic demand-based reducing the present level of dependence o exports. There would thus be a rebalancin of global aggregate demand. The IMF hope to conclude the first round of consultation before the end of 2006.

Trade and Commodities

The World Trade Organisation (WTO) has projected a 7 per cent growth in volume of global merchandise exports in 2006 a against the 6 per cent in 2005, but a late World Bank estimate puts the growth at per cent in 2005 and 7.6 per cent in 2006. The latter estimate takes note of a resurgence in economic growth in the European Union which should increase domestic consumption and employment. The value of exports of merchandise in 2005 crossed the 10 trillion dollar mark (10,120 billion) and that of commercial services was 2.4 trillion, the growth in value being 13 per cent for goods and 1 per cent for services. The rise in the value of the project of the services of the rise in the value of the project of

global trade in part reflects the big rise in prices of metals and fuels. Strong export growth was recorded by countries in Africa, Middle East and Central Asia, helped by the rise in oil prices.

While exports and imports growth varied among developed nations, trade performance of developing countries including India continued to be strong. China's exports was 26 per cent while India's was also around 25 per cent in 2005-06. The share of the developing countries in world merchandise trade has been rising with China becoming the world's third largest exporter and importer after USA and Germany having a share of 7.3 per cent in exports and of 6.1 per cent in imports,

A large number of countries including developed nations are increasingly dependent on the vast Chinese market which has become a global manufacturing hub which imports inputs from the Asian region and reassembles for exports, its growing low-cost exports include machinery, electronic products and textiles and clothing. China's twoway trade in 2005 crossed the 1.4 trillion dollar mark. In 2005-06, India's two way trade exceeded 250 billion dollars in goods and 135 billion in commercial services.

In 2004, developed economies' exports totalled 8,975 trillion dollars while those of developing countries were about three trillion dollars. Region-wise, developing Asia's exports were the largest at 2.3 trillion dollars. In 2004, China directed 59 per cent of its exports to developed economies, mainly to North America, EU and Japan, and 39.6 per cent to developing countries whereas India shipped a higher percentage of goods to other developing countries (50.2 per cent) and 47.8 per cent to developed economies Lie EU, USA and Japan. Manufactured exports accounted for 91 per cent of China's exports and 76 per cent of India's. US deficit in trade with China rose to 202 billion dollars in 2005.

Commodity price increases, especially metals and minerals, helped to boost export revenues of commodity exporters among developing countries.

With the sharp swing in commodity prices (oil, metals etc), many developing countries could get out of growth stagnation, such as in sub-Saharan Africa. But this cycle was not expected to last as non-fuel commodity prices were tending to moderate in 2006. Oil prices continued on an unrelenting uptrend due to rise in demand in China and India as well as in the USA coupled with volatility on fears of supply interruptions in producing countries caught in civil disorder or conflicts. World consumption of oil was 85 milion barrels a day in the first half of 2006. No significant fall in oil prices is considered likely over the medium term. The World Bank estimates the average price of crude to rise to 64.2 dollars in 2006 from 53 dollars in 2005.

Capital Flows

Capital flows to the developing countries, substantially private flows, have taken the center stage in meeting their financing needs since 1990s, especially in the wake of economic liberalization by many countries, and as official development assistance flows declined as a ratio of gross national income of the aid-extending richer nations. This rate was not even half of the UN target of + 6.73 per cent of GDP, set at the beginning of 1980s. Covernments and private sector in the developing countries, especially emerging market economies, depend on and and both for investment and trace from the needs. A large part of private form a count up of foreign direct and portrait and after in channeled to several courant 💞 🛣 🖽 raised by corporates in manufacture and the markets or through commercial parties of from banks aproad. They edipsed official loans. tratice, elegang titu

from bilateral creditors and multilateral financing institutions like the World Bank. Even the relatively low share of official aid and debt has been turning increasingly negative as developing countries service past official (bilateral and multilateral) loans and there has been no increase in official financing in real terms.

On the other hand, private capital flows (by way of bonds raised in international capital markets, syndicated commercial bank lending, investment flows, direct and portfolio, and short-term debt) have been on uptrend. In 2005, net private capital flows (net debt and equity) totalled 491 billion dollars, but on official account (receipts and outgoes), there was outflow of 71.4 billion dollars by way of debt servicing, thus leading to a transfer of resources from developing to developed countries. For many poorer countries, especially in sub-Saharan Africa, which cannot easily raise capital abroad, official development financing continues to be important as private flows go only to creditworthy and growing economies.

According to the World Bank's Global Development Finance 2006 Report, the larger private flows are driven by privatizations, mergers and acquisitions, external debt refinancing and strong investor interest in local currency bond markets in Asia and Latin America. The surge in private capital flows must also be seen in the context of a buovant phase of world economic expansion and the robust 6.4 per cent growth of developing countries as a whole in 2005. Most of the private capital flows, however, go to a small number of middle-income countries and this is especially true of foreign direct investments which are attracted by fewer countries. China heads the list drawing 60 billion dollars a year as FDI.

In 2005, the net private capital flows of 491 billion dollars included equity flows of 299 billion dollars (FDI 237.5 and portfolio 61.4 billion) and private debt flows of 191.6 billion made up of bonds issued, bank loans and short-term debt. While official development assistance was higher at 106 billion dollars, a good part of the increase over the previous year was for debt relief for Iraq and Nigeria. Overall, for all developing countries taken together, net official flows were negligible and developing countries' debt servicing included 41 billion dollars to IMF and 31 billion dollars to others (bilateral).

Although most countries prefer, and are trying to provide a conducive policy framework for FDI, these flows have for years been uneven as they go mostly to select countries and regions. Apart from China, the largest recipient of FDI, the share of South Asia as a whole, was only 8.4 billion (India over 5 billion dollar), less than sub-Saharan Africa's 17.6 billion dollars. Total, including debt flows to South Asia was 23.6 billion, one-twentieth of global private capital flows. China has lately begun to attract FDI in service sectors (banking) besides manufacturing. Total FDI in China was 562 billion dollars by early 2006, according to official Chinese data, as against the cumulative direct investment of 45 billion and portfolio investments of 55 billion in India till December 2005 (RBI)

A large part of global FDI flows into developed nations was due to take-overs and mergers and acquisitions of firms, some of a large magnitude - like the 100 billion dollar merger of Shell and Royal Dutch (of UK and the Netherlands respectively). M and A also played a large part in FDI into China and India. Much less of FDI went for greenfield projects last year. It is also noticeable that many industrial countries are trying to tighten regulations to discourage foreign participation in areas perceived to be of strategic interest. China's state-owned oil corporation was thwarted from bidding for an American oil firm last year. There is risk that regulatory actions may sometlmes exceed what Is motivated by protectionist notions, acording to the Organisation of Economic ooperation and Development (OECD aris). The outlook for capital flows to developng countries in the current year and 2007 depend on the sustainability of current glooal expansion. The foreign investor appetite for emerging market assets could dissipate somewhat if home country interest rates go up. Given the soaring oil prices and the widening trade and payments imbal-

eded to safeguard essential interests and

ances among countries, there could be storms ahead, the World Bank warned in May and urged developing countries to put policies in place which would strengthen their capacity to weather external shocks. Central banks around the world were already seized of the emerging inflationary pressures from high energy prices which would necessitate further monetary tightening by raising the policy rates - a process well under way in the first half of 2006 both among advanced nations and emerging economies. Many developing countries, reeling uncer the impact of high oil prices, have exhaust their surpluses and other cushions and resetaarable to shocks.

also been spurred by the regional trada agreements.

Though a small share of global private flows, south-south transfers have the potential to change the face of development finance, if developing country growth continues to outpace that in developed countries over the coming two decades, the World Bank said. Even here, FDI originates from firms in countries with higher incomes and is invested mostly within the same region. Also, FDI is intended to tap resources like energy in other countries and half of China's mesuments abroad has gone to natural resource projects in Latin America and Africa

Remittations

Temmerces to developing countries in 2005 are emmated at 167 billion dollars to the Auro Bank (173 billion according to bit enters, and these flows, says the Earle, ear rave agrificant impact in reducing you en reclitating increase in house and runs. ment in education and health and puppers re mercic activity. At the same are, "the Back total that the higher process separal and a seconderies establish the thirt

justed capital flows. Private transfers (workers remittances) to India in 2005-06 were 25.22 billion dollars as against 21.27 billion in the previous year. Such remittances have been a significant factor in keeping the current account deficit to the minimum, the other being the earnings from software exports which had risen to 23.60 billion dollars in 2005-06 from 17.20 billion the previous year.

Employment

Global economy on robust expansion for four years now has failed to deliver new jobs for those entering the work force, and with some 192 million seeking work at the end of 2005, the unemployment rate stood at 6.3 per cent without much change while developing countries bore the brunt of the problem with profound economic and social consequences, the International Labour Organisation (ILO) said in a report in June 2006.

ILO has projected that by 2015, there would be an increase of 430 million in the world labour force, over 80 per cent of it in developing world, and this would need an annual job generation of more than 43 million over the coming decade to ensure that unemployment levels do not rise further. Under globalisation, employment intensity has declined and the dignity of work has been devalued, according to Dr.Juan Somavia, Director-General of ILO. The world

labour scene is characterized by high youth unemployment, gender discrimination, hazardous occupations, child labour and lack of social protection for millions in the informal sector. Continuous large-scale shifting out of agriculture and rural areas into urban centers pushed by poverty and pulled by the hope of decent employment was adding to the enormity of the problem.

At the same time, there are growing skills shortages in developing countries as they come to terms with the inroads of technology in an increasingly competitive global environment. Technological change is threatening the job security of many working men and women who are unable to find alternative jobs. Greater efforts on skill development of workers and managers is vital to garner and share the benefits of new technologies, the report stressed.

What the ILO has reported is equally true of India as there is a growing mismatch between demand and supply of highly skilled persons for Information Technology and other professional disciplines. At current levels of absorption in IT services, India could also face a shortage unless institutions of higher education expand and turn out quality personnel in much larger numbers than at present. This assumes urgency as India is currently the leading destination for services outsourced by advanced nations, particularly the USA

The World in 1900					
Population	:	1.6 billion	Average Working Hours (Per week, industrial occupations)		
Life Span	Men - Women	- Women			
Japan	44	45	U.K.	:	52.4
Italy	44	45	U.S.A.& Netherlands		- 52.0
USA	48	51	1	•	32.0
Mexico	32	34	Denmark, France & Japan	:	51.7
Afghanistan	41	42	Germany	:	51.6

The World of Greene

e live in a knowledge society. The Marxian doctrine of haves and havenots has now assumed a new dimension of information, and not of wealth in terms of money. Arriving at our best career option is possible, only if we gather as much information as possible on diverse professions and educational opportunities. We should break the shackles of prejudices such as attaching unqualified superiority for professions like medicine, engineering, and the civil services. There is tremendous diversity in the matter of careers covering conventional as well as emerging fields.

The list of possible careers is perhaps endless. A modest effort is being made here to highlight some of them that have relevance in the current national scenario with the seamless world as the backdrop. The career path of any individual has to be chosen, taking into account factors such as aptitude and leaming ability of the student, financial position of the family, opportunities for higher studies, duration of the course, the gender factor, proximity of the educational institution from home, and prospects for early employment.

The treatment is indicative and not exhaustive. Any aspirant should gather further information on his favourite fields of choice.

AIRCRAFT PILOT

An aircraft pilot has a rare charm and glamour. The training is tough and expensive.

The pilot's job demands sound technical knowledge of his aircraft, ability for flawless interpretation of the readings of sophisticated instruments, and for complex manipulations at takeoff and landing as well as in midair. Alertness, quick thinking, unambiguous communication with the ground control personnel, mental balance for facing trying moments during flights, grit, presence of mind, self confidence, and good physical fitness are necessary. Salaries and perks are attractive.

There are three progressive stages in the training of a commercial pilot: SPL, PPL and CPL (Student / Private / Commercial Pilot Licence)

Candidates who have passed 'plus two' examination with Mathematics and Physics as optional subjects and completed 16 years of age can embark on pilot's training. Flying clubs would give initial tuition. Those who have good physical fitness and a pass in the once-in-a-lifetime pilot's aptitude test will receive SPL. When you complete 17 years of age, you can sit for an objective test conducted by the Director General of Civil Aviation, New Delhi, You must have completed a total of 60 Hours of flying with 20 hours of solo including five hours cross country. Medical certificate has to be obtained from the approved authority. You secure a PPL.

CPL comes after acquiring thorough competence. Stipulated hours of flying covering solo, cross country, instrument, and night flying. Medical fitness to be certified either at the Air Force Central Medical Establishment, New Delhi, or the Institute of Aerospace Medicine, Bangalore. Passing a written examination and rigorous flying tests are vital.

training for three to five years would red to make you a commercial pilot. ndira Gandhi Rashtriya Uran Akademi, eli is the premier centre that offers ab aining and has a combined programme overs CPL and B Sc Aviation. There are I authorised centres of training, with mment subsidies to students. List of cenn the site http://dgca.nic.in.

imation & multimedia

Courses in animation and multimedia ofopportunities to those who are blessed h artistic talents and imagination, and have passion for computer-based studies. The ograms are of short duration. Anyone with 'plus two' qualification can go in for this ind of training.

Multimedia may involve a fine mixture of text, graphics, photographs, animation, video, sound, and interactivity, offering boundless possibilities in effectively conveying a message.

There is a convergence of art, science, literature, commerce, and industry in multimedia. Its application has made education and entertainment richer. CD ROM, Internet webs, advertisements, computer games, cinema and television require those trained in

ARCHITECTURE

Architecture is a happy union of art and technology. It merges gift of imagination, sense of aesthetics, and sharp precision.

We need architects for the competent design of dwelling houses, schools, hospitals, shopping complexes, churches, tampies, factones, and other buildings. They plan and design housing complexes, gardens, parks, theroughfares, commercial centres, plazas, etc. Town and country planners ensure optimism utilisation of the available land. An architect should ensure that the design matches the environment, without racificing expects such as safety, economy, and utility. They may have to supervise works.

Excellent skills in executing, craving, and computer graphics, numerical acility and mathematical mind, and gift of visualisation are essential attributes. An architect arculic securversant with the availability of materials, ther quality, duracility, and cost He should rave the temperament for long periods of office work, and patience for revising or recoing a work without gruntoling. He may have to make models for display and dispussion before finalising the design. He should necessarily know the government norms, rules and regulations relating to construction. Sometimes a aranaman and for a number require which calls cesses for specific use. It makes tremendous strides perhaps faster than electronics or computer technology. It is sure to play a vital role in our life in the coming years.

The impact of biotechnology will be felt in activities including agriculture, industry, medical treatment, and environment. New species of plants, new dimensions in preventive medicine and medical treatment, pharmaceutics, insecticides, hormones, manure, animal husbandry, cloning, transplantation of embryos, pisciculture, immunology, genetics, and many other areas will be influenced by this interdisciplinary field of study and research.

Biotechnology is closely linked to genetic engineering that involves the directed alteration of genetic material. Substances like human insulin, growth hormone and human Interferon (a natural virus-fighting substance) have been produced this way. Recombinant-DNA techniques along with methods for producing monoclonal antibodies have improved medical diagnosis and oncology.

Students with diverse backgrounds can take up courses in biotechnology. A bachelor's degree may not take you very far in the profession, since this is primarily a research-oriented discipline. A genuine desire for sustained research work, persistence, and resilience to withstand temporary setbacks, and real scientific temper are essential for achieving success in this line.

There are many universities that conduct programs at different levels. Public as well as private sector organisations offer facilities for research.

BIOINFORMATICS

The nascent field of bioinformatics represents the marriage of biotechnology and information technology. It deals with computational management of all kinds of biological information. Sometimes it is referred to as in-silico biology indicating that it is performed on computer.

The quantity and diversity of biological information are so enormous that the data can hardly be analysed by conventional means. Sophisticated computerised techniques have become essential in processing the data. Bioinformatics uses computer software tools for database creation, data management, data warehousing, data mining, and global communication network.

The real challenge in bioinformatics is the intelligent analysis of the wealth involved in the deluge of sequence data. The information has to be interpreted for proper appreciation in terms of protein structure, function, and evolution.

lobs opportunities would be in the areas of data mining (sorting huge amounts of unorganised biological data), gene banks, protein data banks, developing diagnostic kits, genomics (functions of genes), proteomics (functions of proteins), customizing software, etc. Those who have a genuine interest for sustained research work will find bioinformatics a fertile ground for studies and training. A mere Bachelor's Degree may not take you very far in the profession.

Proficiency in IT, biology, and mathematics is necessary for work in biotechnology. Those who come from any one of these disciplines can enter the field and master the other areas as required.

CHOREOGRAPHY

There are offbeat professions such as that of the choreographer. With the rising popularity of cinema, television, and stage shows of performing arts, there is great scope for choreography. It is the art of planning, composing, designing and arranging the steps, movements, and patterns in dances. Even subtle variations in feelings, moods, and emotions have to be reflected through expressions and movements. Group dances involving synchronous movements of several bodies have their own flavour.



Environment Protection Training and Research Institute, Hyderabad

National Information Center of Earthquake Engineering- IIT Kanpur

The process of disaster management offers opportunities to a wide variety of professionals such as an IT expert developing special software and an engineer designing an instant construction scheme. Presence of mind and mental toughness are essential for working calmly in trying circumstances.

FINANCE PROFESSIONS

Without the hassles of entrance tests or counselling sessions, you can walk into attractive professions in the finance sector. There are three options: chartered accountant, cost accountant, or company secretary. You need not attend a regular college, but undergo instruction through correspondence arranged by the concerned institute. You may, if interested, attend the oral classes organised by accredited institutions. The qualifications you acquire have a statutory status. The fees are moderate.

The training programs of the three disciplines are similar. After 'plus two', you pass a foundation test, and then intermediate and final examinations. The institute of chartered accountants has renamed the foundation and the intermediate as professional education (PE) I & II. If you are a graduate, you can skip the foundation.

CHARTERED ACCOUNTANT: After PE I & PEII and the prescribed 250-hour computer training, you should work for three years as an articled clerk with a practising chartered accountant.

Can work as an accredited accountant, authorised auditor, corporate caretaker, financial consultant, or tax specialist, or go for corporate jobs. Details: HYPERLINK "http://www.icai.org" www.icai.org (Enterprising youngsters may go for "CPA" - Certified Public Accountant - popular in many countries

including the US or "ACCA" - Association of Chartered Certified Accountants-prevalent in the UK and other countries.)

COST & WORKS ACCOUNTANT: Cost reduction is vital in any manufacturing industry. Computation of costs and identifying methods of cost reduction are done by cost and works accountants. They give the right prescriptions enabling the best possible management decisions.

Their functions include statutory maintenance of cost accounting records, evaluation of worth in investments, critical analysis of financial performance of organisations, internal co-ordination in industrial or commercial undertakings, budgeting, monitoring and analysis of data, and auditing. Details:http:// myicwal.com

COMPANY SECRETARY: He is not a secretary to the CEO or MD, but a top-notch professional in the corporate sector. If you are endowed with legal aptitude, analytical skill, tact, ability to keep official secrets, and sheer will to win through hard work, this is your line.

Companies with a paid-up share capital of Rs 200 lakhs or more are statutorily required to appoint a whole time Company Secretary. If the paid-up share capital is between Rs 10 lakhs and 200 lakhs, a whole-time CS should issue a 'compliance certificate'.

The functions of a CS spread over management, finance, tax, corporate planning, and legal affairs. He should ensure statutory compliance of the company on different fronts. He is a dynamic link connecting the board of directors, shareholders, and regulatory agencies. He acts as a confidant of the Board of Directors, counsels the directors and functional heads on policies, procedures, and legal implications. He takes part in the formulation of corporate policies and programs. He discharges secretarial functions such as filing company returns with the Registrar of Companies and other authorities. A Com-

any Secretary can be a consultant or go for rivate practice.

Apart from passing the Final Examination, candidate has to undergo practical trainng for 15 months in a company / under a ractising CS.

Details: www.icsi.edu

NFORMATION TECHNOLOGY

This is a discipline that opens the floodgates of job opportunities to millions of our youth. The diversity of services demanded by industry is so large that one has to identify his area of operation. Conventional Bachelor's Degree in IT is not a must for a position in the field. People with different attainments have openings, India has gained substantial repute at the global level in terms of quality rendered.

According to one definition, IT is the convergence of computer, information, intelligence, communication, Internet, and technical administration. It integrates data, equipment, personnel, and problem-solving methods in planning and controlling business activities. IT provides the means for collecting, storing, encoding, processing, analysing, transmitting, receiving, and printing text, audio, or video information.

BPO (Business Process Outsourcing) is a significant area that absorbs people with computer competence, good command of English language, and soft skills. BPO essentially involves a contract with an organisation in a developed country like the US, for providing a business process or function. This process may entail various kinds of efforts such as Accounting, Animation, Back office, Banking, Call centre operation, Chip design, Clinical research, Computer programming, Content development, Customer services, Desktop publishing, Engineering, Insurance services, Invoking, Knowledge services, Management consultancy, Medical services, Product design, Software, Taxation, Telecommunication, Transcription, and Travel agency services. There are several areas of work listed as ITenabled services. Apart from thorough knowledge of the concerned domain, some of these may require attributes such as effective communication, ability to think in English, pleasing attitude towards customer service, ability to react with empathy, and telemarketing skills.

India accounts for only a very small percentage of IT global market share; but the BPO share is still less. The IT enabled services that may be considered as a component of BPO offers bright prospects of employment. Those who have acquired higher qualifications can take up work known as KPO (Knowledge Process Outsourcing) involving research and relatively higher order intellectual work that pays much more than run-of-the-mill BPO jobs. It has been estimated that KPO would grow at 46 percent to reach a staggering 17 billion US dollars by 2010, of which 12 billion would be outsourced to India. India may have more than 2.5 lakh KPO professionals by 2010. With our intellectual potential as the key factor, India could emerge as a global KPO hub.

MANAGEMENT

Effective management of resources is an essential ingredient of progress in any organisation. Competent leaders should motivate people to optimise their performance with a definite goal in view. Simple common sense and general awareness alone may not solve complex problems in modern systems. A business management curriculum may contain subjects such as cost and management accounting, operations research, quantitative techniques, data warehousing and data mining, strategic management and supply chain management.

Usually a graduate in any discipline with a minimum of 50% marks can join the stream of management studies. There would be a

There are several management admission tests:

CAT - Common Admission Test, conducted by the IIMs (Many other business schools also use CAT score for the first level selection)

XAT - Xavier Admission Test, conducted by XLRI (Xavier Labour Relations Institute), Jamshedpur

MAT – Management Aptitude Test conducted by All India Management Association, New Delhi

ATMA - AIMS Test for Management Admissions (AIMS – Association of Indian Management Schools)

IMET - Admission to ITTs & IISc

GMAT - Graduate management Admission Test (Globally recognised qualification)

The usual disciplines of specialisation are Marketing, Human Resources, Finance, Operations, and Computer Systems. There are however certain institutes or programs that specialise in specific areas, such as Rural / Plantation / Forest / Textile / Agni-business / Software Enterprise / Bank / Power / Retail / Hotel / Hospital Management, and Foreign Trade / International Business.

NANOTECHNOLOGY

This is a discipline that offers results that remind you of speculative science fiction. Would you believe that by manipulating matter at the atomic scale, materials up to

100 times stronger than steel, at a fraction of its weight, can be made? It makes most products lighter, stronger, cleaner, less expensive and more precise. Experts say that atoms in sand can be rearranged with addition of other elements to make computer chips. If we rearrange the atoms in dirt, water and air we can make potatoes. Patients may drink medicinal fluids containing nano-robots programmed to attack and reconstruct the molecular structure of cancer cells and viruses to make them harmless.

Nano is Greek for dwarf. 'Nano' in scientific parlance means one billionth. Nanotechnology is the science of the small. It studies the structure and behaviour of materials at atomic or molecular level.

Nano-robots could also be programmed to perform delicate surgeries. They can operate seamlessly without leaving the scars that conventional surgery does. Molecular computers could contain storage devices capable of storing trillions of bytes of information in a structure the size of a sugar cube.

Nanotechnology is expected to usher in the next industrial revolution. It will have wide applications in biotechnology, and in pharmaceutical, medical, agriculture, food and beverage, and environmental industries. From these descriptions it is obvious that it is a research-oriented discipline. Those from diverse science streams can seek entry to the field. National research organisations and certain universities offer facilities for research.

NURSING

Nursing is the face of compassion in the field of healing and medical service. Indian nurses have made tremendous reputation at the global level. There are great opportunities at the national as well as international levels. After 'plus two' with biology, chemistry, and physics as the optional subjects, you can undergo the 4-year B Sc or the 3-year General Nursing and Midwifery program,

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two technologies of numerical control and teleoperation.

Limited facilities can be found in institutions such as the IITs for research-oriented work in this discipline, mostly as part of PG programmes. BITS Pilani, Indian Institute of Science Bangalore, and Manipal Institute of technology also have facilities.

SCIENCE & HUMANITIES

We are not trying to combine two opposites. In the mad rush for engineering and medicine, students and parents often forget options such as Dentistry, Veterinary Science, Forestry, Fisheries, Agriculture, Ayurveda, Homeopathy, , Pharmacy, Law, Fine Arts, Fashion Design, Acting, Music, Modelling, Teaching, Travel & Tourism, Journalism, Advertising, Public Relations, Foreign Languages, Design, Merchant Navy, Physical Education, Food Technology, Physiotherapy, Occupational Therapy, Special Education (teaching the handicapped), Spatial Design, Film & TV, Photography, Library Science, Food & Nutrition, Cosmetology, Criminology, Jewellery Design, Gemmology, and Defence Services. Each one of these offers opportunities to the right persons.

Mathematicians have before them areas such as operations research, programming, design of computer systems, and actuarial science. Statisticians play a vital role in national planning. Those who take up physics have ample opportunities in research in areas such as Astrophysics, Geophysics, Nuclear Physics, Astronomy, Meteorology, and Electronics. Chemistry is a discipline of its own charms, spreading its tentacles to fertiliser, pharmaceutical, metal, oil, soap, paper, polymer, textile, fuel, food, plastics, paint, varnish, and pesticide industries. Research in different branches such as organic, inorganic, physical, analytical, electro, radio, histo,

geo, bio - chemistry offer interesting challenges. Certain professions are the preserves of those who have specialised in history, whereas some others show preference to graduates or post-graduates in history. Archaeology, museology, numismatics, epigraphy, and archives are examples.

Economists have openings in business journals, banking industry, planning cells, etc. where economic analysis is required. The Indian Economic Service recruits competent economists through UPSC examination.

Those who take up psychology have wide options as experimental / educational / industrial / clinical psychologists, counsellors, psychometrists (experts in determining aptitude, intelligence, etc.).

Commitment to social work can find expression in an effective manner, if we get ourselves trained in subjects such as sociology, social work, and psychology. Social work has different faces like community / medical / gerontological / correctional social work, baby care, childcare, and family welfare.

Learning languages has its own charms. Proficiency in foreign languages like French, German, Russian, Japanese, Spanish, Italian, Chinese, and Arabic will open opportunities to work as specialists in the diplomatic service, interpreters, translators, and tourist guides,

Graduates in any discipline after a course in journalism and communication can join the challenging career covering print and electronic media. Advertising and Public Relations are two disciplines close to journalism.

Law, fashion design, film and TV, management, teaching, special education, library & information science, and sports coaching, are some of the areas open to university graduates in any subject, but gifted with the appropriate aptitude. Graduates with poise and skills can contemplate the job of an airhostess / flight purser.

चिर्मिकार्वे सिर्वासिक भित्रकृतिक विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास

Nirmala Krishnaswamy, Chennai

with the demand for personnel in various fields ever on the increase in the United States and in many other countries abroad, there are vast opportunities available for Indians, both for academic pursuits and for taking up jobs in different parts of the world.

However, whether it is to seek greener pastures or to improve one's academic credentials one may have to appear for one or more of the Listening passages simulate college lectures and follow 'natural' speech patterns, including pauses, corrections and errors in grammar.

Reading passages, on the other hand, are more academic in nature so that they are closer to college reading assignments. Students have access to a glossary.

b. Structure Section:

Grammar skills are tested across all areas

2 30-minute and

reports by phone, fax, or mail and have them sent to institutions that he did not identify when he registered to test. Credit cards are required for phone and fax orders.

To order by phone, candidates must call 1-609-771-7714. For this, the following details are required: the 7-digit registration number printed on the admission ticket (PBT) or the 16-digit appointment confirmation number (CBT), test date and date of birth.

A valid credit card (international)

A four-digit institution code (PDF) and two -digit department code (PDF) for each score report that is requested.

To order by fix or mail, the TOEFL CBT/ PBT Score Report Request Form (PDF) along with all credit card information is to be completed and faxed to 609-771-7500.

To order by mail the Score Report Request Form must be completed and mailed with payment to

FTS-TOEFL IBT

P.O. Box 6153

Princeton, NJ 08541-6153 U.S.A.

The iBT measures the candidate's famillarity with English as a communication tool in every day situations. The Computer Based Test (CBT) tests the candidate's proficiency in individual language areas such as grammar, usage and vocabulary and the scores obtained in each of these is used to arrive at the candidate's overall proficiency level in language. Instead of measuring the candidate's grammar proficiency through questions based on structures, the iBT tests the candidate's control over grammar directly by assessing the candidate's grammatical structures from the way he employs them in his essays.

TOEFL - CBT (Computer Based Test)

TOEFL - CBT has 4 sections

a. Listening: In this section the candidate listens to short and long conversations, lectures and class room discussions. The questions answered give an insight into the candidate's ability to identify facts and options that are part of the listening passages. There are 30 to 50 questions and the timelimit is 40-60 minutes.

b. Structure: There are 20 to 25 questions to be answered in 15 to 20 minutes. This section tests the candidate's command over basic English grammar rules. The questions are in the form of

i, sentence completion and

ii. error identification

- c. Reading: There are four to five passages. The questions number between 30 and 50. The time allotted is 40 to 60 minutes. Passages cover topics which a school student should be familiar with.
- d. Writing: Here a candidate is required to write an essay on a general topic. The candidate has half an hour within which he composes his essay.

TOEFL iBT (Internet Based Test)

a. Listening: There are two conversations between two people, two lectures including some student comments and two other lectures which do not have student comments. There are five questions based on each of the conversations and six on each of the four lectures.

While the conversations could be between a professor and a student or between a student and a librarian lasting two to three minutes each, the lectures could be on a whole range of subjects.

The questions test candidates on what they understand from the speakers, ideas, what the implications are and whether they are able to draw inferences, whether they can locate the main theme in a lecture and whether they are able to identify details, understand idioms, summarise main points and perceive the speaker's tone and attitude.

b. Speaking: This section tests the candidate's ability:

i. to speak cogently on topics in an academic setting;

ii. to participate in a discussion

The candidate's responses are recorded. Preparation time is given. There are six tests of which two are independent and four are integrated.

For the independent tasks: a candidate's response time is 45 secs which comes after a 15-second preparation time for the first one and for the second, a candidate has to give his opinion and also the reason(s) behind it.

For the integrated tasks: a candidate has to read, listen to an one-minute conversation on what is printed and then summarise what he has heard. The voice is taped. The response has to last 45 seconds after a 30 second preparation time.

Tasks 4,5 and 6 are all related to listening and then summarizing. The tasks get progressively more and more challenging.

c. Writing: The part of the TOEFL exam consists of two tasks, one of which is an independent task and the other an integrated one. The former is allotted 30 minutes to complete and the latter: 20 minutes.

The iBT gives a better picture of the candidate than what one can get on the CBT. The Writing section is new in concept and the speaking section too is quite different. Various language skills are tested and the preparation has to be systematic, and nothing short of a concerted elfort would give the desired result.

The TOEFL test can be taken only once per calendar month and at present costs U.S. \$ 140 per test.

SAT Scholastic Aptitude Test

The SAT examination is for those who wish to pursue an undergraduate course in the U.S. Some universities require both the TOEFL and the SAT scores.

This test consists of a

a. math section

b. critical reading section andc. writing section

SAT math section:

This part of the test consists of

i. Two 25-minute sections and one 20-minute section

ii. 44 multiple-choice and 10 grid-ins and

iii. is worth 200 to 800points

Questions on algebra are included and although there are some questions on triangles, trigonometry is not required to solve them. The other topics a candidate should be comfortable with are:

Sets, absolute value, radical equations, exponents and functions.

The Math Section essentially consists of problem-solving, questions on topics a candidate is expected to have learnt at school, including geometry, algebra and arithmetic.

SAT Critical Reading Section

This section tests the candidate's reading comprehension skills.

The test consists of:

i. Two 25-minute sections and one 20-minute section

ii. 48 reading comprehension questionsiii. 19 sentence completions questions

The test is recorded on a 200 to 800 point scale

In the Passage-Based Reading, candidates are asked to read short and long passages followed by some multiple-schoice questions.

In the Sentence Completion question, the candidate are presented with incomplete sentences and are asked to finish them with the correct word or words.

SAT Writing Section:

This section consists of

i. 49 musicie-choice questions and

I ir einv

25 minutes is to be spent on the essay.

The test is worth 200 to 800 points.

The Essay:

The Essay will require students to read an 80-word subject prompt that makes a statement or claim. Candidates need to take a stand in their essays and support it with examples from their own experience. The essay does not test the candidate's writing ability as mush as it does other skills, such as: organization, idea development or backing an argument.

Identifying Sentence Errors:

There are 18 Error identification questions. A sentence may or may not have an error in it.

Improving Sentences:

25 sentences are given and these are to be improved without changing the meaning of the original sentences.

Improving Paragraphs:

There are six of these. Much like improving sentences, paragraphs are required to be improved, but again, without changing the original meaning intended.

GRE-Graduate Record Examinations:

The GRE <u>General</u> Test "measures critical thinking, analytical writing, verbal reasoning and quantitative reasoning skills that have been acquired over a long period of time and that are not related to any specific field of study".

The GRE <u>subject</u> Tests assess undergraduate achievement in eight specific fields of study.

These are: 1. Biochemistry, Cell and Molecular Biology

- 2. Biology
- 3. Chemistry
- 4. Computer Science
- 5. Literature in English
- 6. Mathematics
- 7. Physics
- 8. Psychology

Prospective graduate applicants are the ones who sometimes take the Subject Tests.

Some Subject Tests yield sub scores that

can indicate the strengths and weaknesses of individual.

Student's preparation and this is useful for placement purposes.

\The Subject Tests are given at paperbased centers worldwide three times a year in November, December and April.

If a prospective candidate is planning to take the GRE in fall 2007 (Sept/Oct) or later, it is to be noted that the test format and delivery will be dramatically different from the current one.

A comparative table is given below indicating the differences between the Current GRE and the new GRE.

Test development, design and field testing will continue for the new GRE test and the finer details ought to be available at a later date.

GMAT-Graduate Management Admissions Test

This is a 4-hour computer adaptive test. The candidate's performance on previous questions will determine which questions come next.

The GMAT exam is taken by applicants keen on joining a business school in the U.S. While it is true that most schools require applicants to have a minimum amount of work experience, the minimum is usually two years. However, more important than the length of experience is the quality of work experience – where a candidate worked, what his level of responsibility was and how he progressed through the ranks. GMAT tests the candidate's basic quantitative and verbal abilities and contains no business principles at all (except as a basis for problem solving or as reading comprehension passages).

Questions at the beginning of each section have a greater impact on the candidate's score than do those which come later in the section.

· GMAT is one of the costliest exams - U.S.

50/-. It now appears that a few of the iness schools in the U.S. (such as Stanford iduate School of Business) have decided it because of such prohibitive costs which y scare off some of the potentially bright-of candidates from B-Schools, they would ow applicants to submit scores from the E in place of scores from the GMAT

"In recent years many B-Schools have ted waiving the GMAT requirements for plicants to executive MBA programmes." E applications starting from July 2006, is be U.S. \$ 160/- in India.

IELTS-International English Language Test-3 System This is an exam jointly managed by the

niversity of Cambridge ESIOL Examination ambridge ESOL), British Council and IDP iternational Development Programme). IELTS, Australia: IELTS assesses all four inguage skills: listening, reading, writing id speaking, conforming to the highest ternational standards of language assessent.

IELTS is recognized by universities and nployers in a large number of countries cluding Australia, Canada, New Zealand, e U.K. and the U.S.A.

Anyone who is about to finish schooling id is above the age of 16 can sit for this

exam. People with higher educational level and/or experience can also attempt the test. Students planning on higher studies abroad, professionals, job seekers, research scholars and just about anyone connected with academic work can appear for the test.

There are four modules to the test covering all four aspects of a language: reading, writing, listening and speaking. The first three are taken in a single session with no breaks in between the rests. The speaking module alone may be taken on a day decided upon by the centre, but usually on a day very close to the other three modules. In the table given below, some details of the exam are given:

Modules Time Taken Some details of questions

Evaluation is on a 0-9 band scale, 9 being the highest a candidate can get. Results are made known within a fortnight from the actual date of the exam.

Unlike the rule in the past which required a 90-day gap between two test dates for anyone wanting to repeat the test, a candidate can now retake the test whenever he/ she wants.

The tests are conducted at least twice a month and in peak seasons the frequency is increased.

For more details contact: ieltsindia.com

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The new TOEFL iBT follows the format given below:				
ction	Timing	No. of questions	Score Scale	
Reading	60 to 100 mts.	36 to 60	0 - 30	
	((including time taken		
. Listening		to read)		
	60 to 90 mts.	34	0 - 30	
	(
		to listen		
Spart		to passages)		
l. Spealing	About 20 minutes	6 tesks	0-30	
l Virting	50 minutes	2 tasks	0 - 30	
I otal time taken: Al	bout 4 hrs.	Overal Scare Scale	0 - 120	

No. 2

The current GRE is valid till the summer of 2007 only.

New GRE nputer-based linear exam: y test-taker receives the m if taken on the same day, nours roximately 30 fixed-dates year oal Score - 110 to 150 points intative Score-110 to 150
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6 points
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Modules	Time taken	some details of questions	
Listening	30 min.	40 questions spread over 4 sections	
Reading	60 min.	2,000-2,750 words covering two or three passages	
Writing	60 min.	Two tasks are given Time spent: 20 min, for task 1 amf 40 min for task 2	
Speaking	11-14 min.	Candidate has to speak on general topics as univiers to questions.	
		More like a personal interview. Has also to speak for a moraste of	i
		two on a given topic. Preparation time, one in note,	,
		Appara mandani a gali ing	

क्षाप्रचेतिक स्वास्त्र का सम्बन्धा में प्रतिनिधित्र होते हैं।

Nirmala Krishnaswamy, Com

students are labeled as form progety of the the recruiters and one very in partial time.

son for this is found to be a far but to an

satisfactory competence in the continuous

tive ability of the graduates

The world had it coming for a long time. Most countries woke up to the fact, but thile we in India had the 'advantage' of havng had a head start in the mastering of Enlish, a lot of the opportunities provided for he young were frittered away if only beause of our obfuscated policies of languageearning in general, and English in particuar. When exposed to two or even three languages in the first few years of schooling, if laught efficiently, a child learns all of it effortlessly. In the absence of this ideal, inelficiency in language-learning creeps in not only in the learning of English but in that of all other languages as well. This negativity is reinforced even later when it's time to concentrate on the maths-physics-chemis-

try-biology syndrome and every student is

strait judicted into the science mode, and

most students, and more so the parents, bend over backwards to somenow get a west

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ten semesters and hanguing a few hater, were

eral arrows latery an allering every every graduate is found working in English Such

It is at this point that along with the articulate, competent student a large room ber of the fess than profescrat, care break selves for a variety of classes a my transity course, for that matter - in order to ear acre their command over English It is a to the fire both for the teacher and the tailout in inch. you make up in three to six his section to was left undone faction of the action of still

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question asked is what can one read? Time being in short supply, one has to be practical. The following observations made may be of use to those who realize they have a potential to do better and all they lack is a quiding force and fillip to their attempts.

Read newspaper editorials every single day. There are three very good reasons why this is of great benefit.

First, the English is as it ought to be written.

Second, you, as a reader, are exposed to quite a few opinions, facts and figures. It is only when you are exposed to other people's ideas that you can form your own. An editorial certainly expresses some strong opinions.

Keep asking yourself constantly whether or not you agree with the editor. If you do, why do you think you feel the same way, and if not, why not? This way it fine tunes your own opinions. Third, there are lots of vocabulary items, words and phrases, which you can learn painlessly. These will slowly become part of your active vocabulary.

(A word of caution, though. There are newspapers and newspapers. Make sure you choose ; a newspaper of some standing and preferably one which is fairly balanced in its views).

Talking about vocabulary, do you learn words individually? One common query is: "Can we learn about ten words a day by choosing them from the dictionary?" This is a formula for disaster. A sound piece of advice would be not to learn words in isolation. Learn them always as collections. A collection is the 'habitual placing of a particular word, next to another word or words, or a group of words so placed. 'Collocation' itself is formed from the Latin 'collocare' which means 'placed together'.

An example will make it amply clear. Let us take the word 'avail' – one of the most ill-treated words. These days discounts being offered (genuine or otherwise) at the drop of

a hat, there are banners and advertisements put out which say 'avail 5% or 10% discount'. 'Avail' in this context ought to be used as 'avail oneself of something'. So, it is: Avail yourself of a 5% discount. However, 'avail' can also be used in the following manner' I tried very hard but to no avail (always used with a negative connotation).

Meeting new words is like being introduced to a stranger in a gathering. If you must know more about the person, a lot of effort, along with a certain amount of healthy curiosity, is required on your part.

How do we familiarize ourselves with a new word?

- a. See how it is spelt.
- b. Check out its pronunciation. Even common enough words such as 'draught' or 'honour' and 'honest' are mispronounced by many educated people.
- c. Find out what its part of speech is. The context will help you.
- d. Ask yourself if it can be converted to other parts of speech.

For eg: The word 'flop' has three meanings and can be used both as a noun and as a verb. As a verb, the meaning could be

- 1. hang or swing loosely
- 2. sit or lie down heavily and clumsily
- 3. fail totally (informal)

As a noun,

- 1. a heavy and clumsy fall
- 2. a total failure

'Floppy' is an adjective with 'floppier' and 'floppiest' being the comparative and superlative degree forms. It means: tending to fall, not firm or rigid. It can be used as a noun too (plural, floppies): flexible removable magnetic disk used for sorting data. The adverbial form of the word is 'floppily' and 'floppiness' is another noun form. This is an exercise that a word should be put through so that, more than anything else, it has a better chance of sticking in the mind. It is

ke locating a place on a map. Memory call gets stronger.

In all probability, a new word that you ave made a mental note of, will reappear in our reading. Note the contexts in which the ord is used. Reading is only a part of the xercise. You have to listen to how the lanuage is spoken. Listen to BBC or the VOA as ften as you can manage. Be choosy about ne programmes (such as discussions or interiews) that you hear on television (Some are xcellent examples of how not to speakl).

Maintain a notebook or a file with indiidual pages dedicated to 'specialist' words uch as those ending in - cide, mania and hobia (for eg. Matricide, genocide, garophobia, dipsomania, acrophobia), speialist doctors, subject names and so on, It vould be a good idea to have synonyms grouped together. For instance, you might have a list such as commotion, hubbub, confusion, chaos, melee, pandemonium, mayhem, tumult, bedlam, anarchy - put down in the order of severity.

Phrasal verbs (verb + preposition and or adverbial particle combination) are an integral part of the language and you have to be confident of their usage. Indians, as a whole, often use prepositions where there is no need for one (eq. Cope up; We cope with problems and not 'cope up' with them.

Word order is another important area which would need your attention. All of this is possible with strict discipline in study, dedication and sincerity of purpose.

Reading, by far, is your best teacher. That, and a confidence in yourself is perhaps the best formula for considerable success in your attempt to get a better command over the fanguage.

รีสสอสาทีม เมือ ปรองวีส์ รับอุปไว้ม

Jagan Nath, New Delhi

The principal of a post-graduate college in New Delhi once asked me: 'Is Mr. Harish your cousin brother?" I was aghast at her question. Since I had been very friendly and frank with her, I told her to say only cousin. She accepted my advice gracefully. I wondered when a learned person can commit such an error, what about ordinary humans and students?

Students must be told to avoid such an error. Try always to chop off the dead wood. Never say new recruit, say only recruit. Don't use the expression "past history". Only "history' will do. History is collection of past events. And avoid saying "final conclusion", :24 cnly "conclusion".

In the following examples, the words in inverted commas should be omitted: 'advanced' prediction, 'fatal' killing, 'definitely' decided, 'the other' alternative, for 'a period of two weeks, 'dead' body.

Clear Writing

أساحة According to the Asian Reporter, a m on reporting techniques, published in Maria, Philippines, clear writing does not come would by chance. It is the result of clear tracking has words the reader is familiar with and process prove the chances of your getting acress the fi familiar words can be forceful. المساوة followyou easier if you goethan were asset in words. Here is a list of con-

Complex	Common
monumental	big
terminate	end
witness	see
purchase	buy
utilise	use
majority	most
reside	live
procure	get
proceed	go
contribute	· give
request	ask
endeavour	try
summon	call
category	class
prevaricate	lie
incarcerate	jail
inaugurate	start
facilitate	help
inundate	flood
•	

No to deadwood

Omit verbal deadwood, says the Reporter. There is no reason to call a spade "a long-handled instrument for turning earth in a garden". Here are some examples of verbal deadwood:

Instead of	use these words
for the reason that	because
at the present time	now
tendered his resignation	resigned
affixed his signature	signed
told his listeners	. said
united in holy matrimony	married
used for fuel purposes	fuelled
held a conference	met
in the immediate vicinity	near
was able to make his escap	oe escaped

In fact, incompetent teachers and some private coaching institutions are responsible for the present state of affairs. Sample a printed handbill tucked away in morning newspapers, courtesy of the hawker: "You feel weak in English? You don't know how to

give answer to a question or write a simple application/paragraph or draft a letter? You have a poor vocabulary? The remedy suggested is: 'Improve your weakness' under the guidance of our highly qualified, experienced teaching staff."

There has been a mushroom growth of coaching schools which claim to develop your writing and speaking skills. These "shops" sell "spurious" goods. How many of these schools have the necessary scholarly atmosphere and how many have well-qualified staff? Sample a board outside one such study shop; "Tutions offered to students from Class Vth to Class Xth. Contact Principal between 10 to 11 a.m."

Now these few words contain howers. The common man and even class X or XII students are ignorant of the correct spelling of "tuition". The word is even mis-spelt by teachers of English in public schools. And with Roman expressions "th" is never used. Say only Class V and X. If you want to use "th" it should be 5th, or 10th.

Howlers galore

I recall a meeting I had recently with a gentleman who claimed to be a first-class M.A.-in English with 65 percent marks. This was the shock of my life. For, a first-class in M.A. English is rare, and 65 per cent is incredible. If at all a first class M.A. in English is produced once in a blue moon by a good university, the candidate will have only 60 per cent marks. He told me he was doing Ph.D. and promised to write to me when he went home in Jabalpur, Madhya Pradesh.

As promised, he wrote. There were four mistakes in his hand-written letter. The first sentence contained incorrect spelling of the word "received". He wrote "recieved". He also enclosed his resume, which was horrible. At the top it was written bio-data. Now bio-data is Indian English. No Englishman will ever use this expression. They say resume or CV (cur-

am vitae). In the resume, he freely used vords Class Xth and Class XIIth. I edited esume, and sent it back to him. I wrote im that writing Xth was a silly mistake th should be avoided. Within three weeks. ent me a revised copy of the resume, and s Xth and Class XII were used. He ened the university marks sheet which also d Xth and Xllth.

The common mistake committed today is: ors can see the Principal between 9 to 10 . When the word "between" is used, we ould say between 9 and 10 a.m. Or visitors see the Principal from 9 to 10 a.m. Scholars, newspapers and prestigious

gazines say "comprise of". Which is wrong. can say: this book consists of 100 pages, s book comprises 100 pages. Never use with comprise.

ong to say Mrs. Lila Wati, Mrs. Shakuntla

rs and Ms Never use, or misuse, the word "Mrs". It's

vi or Mrs. Srilatha. "Mrs" is used with the me of a woman's husband. For instance, can say Mrs. Gita Sehgal, Mrs. Sehgal but cannot say Mrs. Gita. In a public school hich I visited a number of times, this anouncement was often heard: Mrs. Kusum is quested to go to class IV, and Mrs. Kiran is ssigned to class X in the next period. A sator from the West can be hoodwinked then she sees the board saying Mrs. Lila Yati, Mrs. Shakuntla Devi or Mrs. Srilatha. he will think that Wati, Devi and Srilatha are the names of the women's husbands. When N.T. Rama Rao, film star-turned Chief Minister el Andhra Pradesh, passed asvay, most of the newspapers relerred to his wife as Mrs. Lakshmi Panathi, It should have been Ms. Lakshmi Parvathi. The word "Ms" can be uted with both married and unmarried women. The pronunciation is "Mizz".

Dr. (Mrs) Usha Malhotra. We generally see boards of this kind. The English wife of my English boss laughed at it. She described it as Indian English. She explained that in England the patients never bother to think of the marital status of a doctor. They are concerned with the skill and talent of the doctor.

Another common error witnessed today is 'appartment' instead of "apartment" to describe a block of flats. It should be apartments.

Unfortunately, the standard of English in schools is pathetic. Not to speak of government schools, where English teaching begins from class V, even public schools, where English is taught right from Nursery and KG, suffer from this malady. Students right up to the senior secondary level lack the basic rules of the English language. One is surprised to see senior students writing: "three battles were righted in Panipat" and "three birds were catched by the hunter*. Such students are penalised when they take the Board examination. What is the remedy?

The students have not learnt the three forms of the verb and adjective. Even ordinary singular-plurals are not known to them. They write "childrens" and "sheeps". Some of them do not even know the difference between "there" and "their", "it's and its", "lose and loose", "advice and advise", "practice and practise".

Basic grammar

A senior English teacher explained: 'The students refuse to go back to classes V or VI grammar books to learn the three forms of verb. They consider it below their dignity to consult a junior book".

Indeed, the student today is looke 3 2004 shortcut to success. He does not bother about the fundamentals. His only arm is to والمقال المعالق المام على score pass marks, gra 19**40 (3** As a result, senior write even a si Principal.

I recall a meeting with a teacher, who had been working in a missionary school and taught junior classes all subjects. We met every morning at the bus stop. She had to change two buses to reach her school. She was in search of a job near home.

One day she visited my home. She told me that she had applied for the post of an English teacher advertised by a public school nearby. She knew that the Principal of the school was a friend of mine. She wanted my help.

I said to her: "To be very frank, we have met only at the bus stop. I don't know where you stand. For my satisfaction, if you could just write a simple leave application to the Principal, that would do. Please pardon me for asking you such a simple question".

When she wrote the application, it was horrible. She deserved zero out of 10. I told her there was no need to be disillusioned. "I would send you to an experienced teacher to brush up your knowledge till the interview and you will find yourself full of confidence". Neither she went to my friend nor appeared for the interview.

The English language has taken a long time to march from Chaucer to H.G. Wells, Bernard Shaw and nearer home Gandhi, Nehru, R.K. Narayan, etc. Some of them, particularly Gandhi and Nehru, wrote in their own style, lengthy sentences using bombastic words.

Indian Newspapers

Newspapers in India are fond of presenting articles or news items containing lengthy sentences. A long sentence is not easily understood and is sometimes confusing. On the other hand, pick up any English newspaper published in England or the USA, you will find shortsentences and short paragraphs in simple language. They believe that simple words set in a smooth sentence. We enjoy this language for its beauty and clarity.

A senior journalist stressed the need of using a simple and familiar language while writing. He said: "News is for the general reader, who can be anyone from the village barber to the town Mayor. It must, therefore, be told in a language that is simple, forthright but decent and familiar. One must write to express, not impress.

Drawing with words

Writing is just drawing with words. A writer should be able to put in the reader's mind a reproduction of the picture he sees in his own. To be able to do that, he must use specific and concrete words. He should be positive while writing. Don't say he did not win, only say he lost. Never say did not succeed/was not successful, say only failed. Instead of "did not pay attention to", say "ignored". "Did not accept" should be "rejected". The shorter an expression, the clearer it is.

Avoid using idioms, which are expressions peculiar to a language. They are derived from native experience. Idioms will, therefore, spoil English for non-natives like us. They emphasise their foreignness and diminish their universal appeal. Let's take our English straight without using such expressions as the "apple of one's eye" or "he has money to burn" or "he lost face". Respectively we can say "favourite, rich and shamed".

Whatever the standard of English in Indian schools, colleges, and civil services, the lure of the language still persists. As a lover of English remarks, "Though British imperialism ended more than five decades ago, British linguish imperialism still continues without a murmur of protest by patriotic Indians".

P.S.: Candidates for the post of an English teacher in a public school in New Delhi, in a written test, were asked to change the gender of ram. Six of them wrote: "Sita"!

7,885

7,672

7,544

7,422

7,138

7,138

7,066

YALLILLED ELLY

orth latitude and 68°7' and 97°25' east itude. India measures 3214 km from h to south and 2933 km from east to

lia is located between 8°4' and 37°6'

t with a total land area of 3,287,263 sq.

India is the 7th largest country in the ld. It has a land frontier of 15,200 km

La coastline of 7516.5 km. Andaman and obar islands in the Bay of Bengal and shadweep in the Arabian Sea are parts of

lia. The country shares its political borders h Pakistan and Afghanistan on the west d Bangladesh and Burma on the east. The

rthern boundary is made up of the China, pal and Bhutan, India is separated from Lanka by a narrow channel of sea formed

the Palk Strait and the Gulf of Mannar.

ysical Regions e mainland, in geographical terms is broadly

rided into a) the great mountains, b) the river sins, c) the desert and d) the peninsula.

ountain Ranges The mountains extends for more than

100 km. They are seven. . the Himalayas,

the Patkai and other ranges bordering India in the north and north east,

, the Vindhyas, which separate the Indo-Gangetic plain from the Deccan Plateau,

i, the Satpura of the Aravalli

), the Sahyadri, which covers the eastern lunge of the West Coast plains and

7 the Eastern Ghats, irregularly scattered cutive East Coast and forming the bound--ry of the East Coast plains.

important Mountain Peaks: Height in meter above Mean Sea Level:

1) K2*	8,611
(2) Kanchoniunga	8.598

- (2) Kanchenjunga 8,126 (3) Nanga Parbat
- 8,068 (4) Gasher Brum*
- 8,047 (5) Broad Peak*
- (6) Disteghil Sar* (7) Masher Brum E
- 7,821 7,817 (8) Nanda Devi
- 7,806 (9) Masher Brum W* 7,788 (10) Rakaposhi* 7,756
- (11) Kamet (12) Saser Kangri
- (13) Skyang Kangri*
- (14) Sia Kangri* (15) Chaukhamba (Badrinath Peak) (16) Trisul West
- (17) Nunkun 7,135 (18) Pauhunri 7,125 (19) Kangto 7.090
- (20) Dunagiri *in Pak-occupied territory

Watersheds

There are mainly three watersheds.

- 1. Himalayan range with its Karakoram branch in the north,
- 2. Vindhyan and Satpura ranges in Central India, and
- 3. Sahyadri or Western Ghats on the west coast.

Rivers and the Plains

The main rivers of the Himalayan group are the Indus, the Ganga and the Brahma-putra. These rivers are both snow-fed and rain-fed and have therefore continuous flow through-

India: Social Indicators 1980-2001 1.9% Growth Rate 2002-2015 (Projected) 1.2% 324 Density (per sq.km) or Female population 48.1% Literacy Rate (Male: 75.85%, Female: 54.16%, Rural: 59.40%, Urban: 80.30%) Male 63.9 Life Expectancy at birth Infant-Mortality (per 1000 live births) 2002 63 Access to drinking water (of population) 90%

Source: Economic Survey, Govt. of India 2004-05 and World Development Report, World Bank 2004

Public (of total health exp.-2000)......18%

(1983-94) 2.04% (1994-2000) 0.98%

out the year. Himalayan rivers discharge about 70% of their inflow into the sea. This includes about 5% from central Indian rivers. They join the Ganga and drain into the Bay of Bengal.

Growth rate per annum

Organised Sector Employment

Labour Force Women

Growth Rate

The plains of Ganga and Indus runs for about 2400km with a width ranging from 240 to 320km. They are formed in the river basins of Ganga-Yamuna, Brahmaputra, Indus, Godavari, Kaveri, etc.

ength of some important rivers (inkms):		
2,900		
2,900		
2,510		
1,450		
1,290		
1,290		
890		
760		

ert

he Desert region is located in the westand north western part of the country. It be divided into two parts of the great

ert and the little desert. The great desert ends from the edge of the Rann of Kuchch yond the Luni river northward. The whole

Rajasthan-Sind Frontier runs through this.

e little desert extends from the Luni beeen Jaisalmer and Jodhpur up to northern

istes (dry and rockyland).

ninsula

Peninsula is marked by elevated landmass of the height ranging from 460 to 1220m. The eccan and the Southern part surrounded by ater on three sides make the peninsula. It is anked by Eastern Ghats on the east and festern Ghat on the Chats

nd the Sea lies the narrow coastal belt.

limate

Traditionally, seasons in India is divided nto six-Vasanta (Mar-Apr), Grishma (May-In), Varsha (Jul-Aug), Sharada (Sept-Oct), lemanta (Nov-Dec) and Shishira (Jan-Feb). It broad terms, India experiences 3 main easons, such as (a) Winter - Dec to March, b) Summer - Apr to May and (c) Monsoon South West Jun to Sept, and NE (retreating W monsoon) - Oct to Nov. Between the

two main seasons are Spring and Autumn.

India receives 86% of the rain during SW monsoon. NE monsoon is a very restricted one-experienced in Tamil Nadu, Kerala and sometimes AP and Karnataka.

Natural Vegetation

India has 6 types of forests. (a) Evergreen (Tropical Forests) - is found in areas with 200cm to 300cm rainfall; av. annual temp. 20°C to 27°C; av. annual humidity >80% (b) Deciduous (Monsoon Forests) - found in places with lesser rainfall between 150 to 200 cm; mean annual temp between 24°C and 28°C; humidity 75% (c) Ery Forest-are found where rainfall is scanty between 75 to 100 cm; mean annual temp 25°C to 29°C; humidity 50 to 60% (d) Hill Forests are common in South India and Himalayas (e)Tidal Foresti (Mangrove) are found in the coastal submerced plains of Ganges (Sundarbans), Mahanaci, Codavari and Kerala and (f) Crastiands (filly-Himalaya and Deccan hills above 100m, lowersas in Punjab, Haryana, UP, Einar, NW Assert and riverine grasslands-found along rivers).

Agriculture

India has two crop seasons. (a) Kharifi Rice Jowar, Bajra, Ragi, Maiza, Cotton, 'Lita Sowing-Jun/Jul, Harvest-Sep, Got(b) Karir Wheat, Barley, Peas, Rapeseed, Mustaro, Cram. Sowing - Oct/Dec, Harvest - Acr, May.

चीं होते हैं। विविध्य कि स्वीर्थ

National Emblem

The state emblem of India is an adaptation from the Samath Lion, capital of Ascka the Emperor as preserved in the Samath Mascum. The Government adopted the emtion on 26th January, 1950, the day when India became a Republic In the original of Samath Capital, there are four lions, standing back to back, mounted on an abacus with a frieze carrying sculpture in high relief of an elephant, a galloping horse, a bull and a lion separated by intervening wheels

(chakras) over a bell-shaped lotus. Carved out of a single block of polished sandstone, the Capital is crowned by the Wheel of the Law (Dharma Chakra).

In the state emblem adopted by the Government only three lions are visible, the fourth being hidden from view. The wheel appears in relief in the centre of the abacus with a bull on the right and a horse on the left and the outlines of the other wheels on the extreme right and left. The bell-shaped lotus has been omitted. The words, Satyameva Jayate from the Mundaka Upanishad meaning "Truth alone triumphs", are inscribed below the abacus in Devanagari script.

The National Flag

The National Flag is a horizontal tri-colour of deep saffron (Kesari) (representing 'courage and sacrifice') at the top, white ('peace and truth') in the middle and dark green ('faith and chivalry') at the bottom in equal proportion. The ratio of the width of the flag to its length is two to three. In the centre of white band is a wheel, in navy blue. Its design is that of the wheel (Chakra) which appears on the abacus of the Sarnath Lion Capital of Asoka. Its diameter approximates the width of the white band. It has 24 spokes.

The design of the National Flag was adopted by the Constituent Assembly of India on 22nd July, 1947. Its use and display are regulated by a code.

National Anthem

Rabindranath Tagore's song Jana-ganamana was adopted by the Constituent Assembly as the National Anthem of India on 24th Jan. 1950 and gave Vande Mataramthe national song equal honour. It was first sung on 27 Dec. 1911 at the Calcutta session of the INC. The first stanza (out of 5 stanzas) of the song forms the National

Anthem. Playing time of the full version of the national anthem is approximately 52 seconds. A shorter version consisting of the first and last lines of the stanza takes 20 seconds to play and it is played only on certain occasions.

Jona-gana-mana-adhinayaka jaya he
Bharata-bhagya-vidhata.
Pùnjaba-Sindhu-Gujarata-MarathaDravida-Utkala-Banga
Vindhya-Himachaka-Yamuna-Gonga
Uchchala-Jaladhi-taranga
Tava Subha name jage,
Tava subha asisa mange,
Gahe tava jaya-gatha,
Jana-gana-mangala-dayaka, jaya he
Bharata-bhagya-vidhata.
Jaya he, jaya he,
Jaya jaya jaya he.

The following is Tagore's English rendering of the stanza:

Thou art the ruler of the minds of all people,
Dispenser of India's destiny.
Thy name rouses the hearts of the Punjab,
Sind, Gujarat ond Marotho,
Of the Dravid ond Orisso and Bengol.
It echoes in the hills of the Vindhyos ond
Himolayas, mingles in the music of the
Jomuno ond the Gonges ond is chonted by
the woves of the Indion Seo.

They proy for the blessings ond sing thy proise.
The soving of all people waits in thy hand,
Thou dispenser of Indias destiny, Victory,
victory, victory to thee.

National Song

The song Vande Mataram composed by Bankim-chandra Chatterji has an equal status with Jana-gana-mana. The first political occasion when it was sung was the 1896 session of the INC.

Vande Matarom, Sujolam, suphalam, malayaja shitalam, Shasyashyamalam, Matoraml Shubhrajyothsna pulakitoyaminim, Phullakusumita drumadala shebhinim, Suhasinim sumadhura bhashinim, Sukadam varadam, Mataram!

English translation of the stanza rendered by Sri Aurobindo (in Sri Aurobindo Birth Centenary Library Popular Edition 1972, vol. 8), is

> I bow to thee, Mother, richly-wotered, richly-fruited, coal with the winds of the south, dark with the crops of the horvests, The Mother!

The Mother!
Her nights rejoicing in the glory of the moonlight,

Her lands clothed beoutifully with her trees in flowering bloom, sweet of laughter, sweet

speech,
The Mother, giver of bliss.

National Calendar

At the time of independence, the Govt. of India followed the Gregorian calendar based on the Christian era.

The National Government adopted the

recommendation of the Calendar Reform Committee that the Saka era be adopted as the basis of the National Calendar. The Saka year has the normal 365 days and begins with Chaitra as its first month. The days of the Saka calendar have a permanent correspondence with the dates of the Gregorian

Calendar, Chaitra 1 falling on March 22 in a normal year and on March 21 in a Leap Year. The National Calendar commenced on Chaitra 1 Saka, 1879 corresponding to March 22, 1957 A.D.

The months of the National Calendar, with their days and the dates of the Gregorian Calendar corresponding to the first day of the Saka month are given below:

_	
Saka	Gregorian
1 Chaitra 30/31 days	March 22/21
1 Vaishaka 31	April 21
1 Jyaistha 31	May 22
1 Asadha 31	June 22
1 Sravana 31	July 23
1 Bhadra 31	Aug. 23
1 Asvina 30	Sept. 23
1 Kartika 30	Oct. 23
1 Margasira 30	Nov. 22
1 Pausa 30	Dec. 22
1 Magha 30	Jan. 21
1 Phalguna 30	Feb. 20

Indian Standard Time (IST)

India has only one standard time. India is 5.5 hours ahead of GMT/UTC, 4.5 hours behind Australian Eastern Standard Time and 10.5 hours ahead of Americal Eastern Standard Time.



epulationwise, India is second in the world. On May 11, 2000 India's population reached the one billion mark. The population increased to 1,027 million in March, 2001 (\$31.3 m. males and 495.7 m.

females), India accounts for a meagre 2,4%

of the world surface area of 135.79 million sq. km. but it supports 16.7% of the world population. It is estimated that at the present rate of growth (1.93% during 1991-2001) India will overtake China by 2050. Lock at the growth of population from 1901 to 2001.

Population Over a Century

Years	Population
1901	23,83,96,327
1911	25,20,93,390
1921	25,13,21,213
1931	27,89,77,238
1941	31,86,60,580
1951	36,10,88,090
1961	43,92,34,771
1971	54,81,59,652
1981	68,33,29,097
1991	84,63,87,888
2001	1,02,70,15,247

Source: Census of India, 2001.

States and UnionTerritories by Population

State/Union Per Cent to total

Territory population	of India	
	2001	1991
Uttar Pradesh	16.17	15.60
Maharashtra	9.42	9.33
Bihar	8.07	7.62
West Bengal	7.81	8.04
Andhra Pradesh	7.37	7.86
Tamil Nadu	6.0\$	6.59
Madhya Pradesh	5.88	5.74
Rajasthan Karnataka	5.50	5.20
	5.14	5.31
Gujarat Orissa	4.93	4.88
Kerala	3.57	3.74
Jharkhand	3.10	3.44
Assam	.62	2,58
	2.59	2.64
Punjab	2.37	2.40
Haryana	2.05	1.95
Chhattisgarh	2.03	2.08
Delhi	1.34	1.11
Jammu & Kashmir	0.98	0.92
Uttaranchal	0.83	0.84
Himachal Pradesh	0.59	0.61
Tripura	0.31	0.33
Manipur	0.23	0.23
Meghalaya	0.22	0.21
Nagaland	0.19	0.14
Goa	0.13	0.14
Arunachal Pradesh	0.11	0.10
Pondicherry	0.09	0.10
Chandigarh	0.09	
Mizoram .	0.09	80.0
	U.U9	80.0

0.05

0.05

Lakshadweep	0.01	0.01
Daman & Diu	0.02	0.01
Dadra & Nagar Haveli	0.02	0.02
Andaman & Nicobar	0.03	0.03

Source: Census of India, 2001

Rural and Urban Population 1901-2001

Census	Po	pu P	ercentage	of (m.)
	lation(m.)		total population	
Year	Rural	Urban	Rurai	Urban
1901	213	26	. 89.2	10.8
1911	226	26	89.7	10.3
1921	223	28	88.8	11.2
1931	246	33	88.0	12.0
1941	275	44	86.1	13.9
1951	299	62	82,7	17.3
1961	360	79	82.0	18.0
1971	439	109	80.1	19.9
1981	524	159	76.7	23.3
1991	629	218	74.3	25.7
2001	741.7	285.4	72.22	27.78

** Urban Agglomerations								
	/City	Population						
01	Greater Mumbai	16,368,084						
02	Kolkata	13,216,546						
03	Delhi	12,791,458						
04	Chennai	6,424,624						
05	Bangalore	5,686,844						
06	Hyderabad	5,533,640						
07	Ahmedabad	4,519,278						
08	Pune	3,755,525						
09	Surat -	2,811,466						
10	Kanpur	2,690,486						
11	Jaipur*	2,324,319						
12	Lucknow	2,266,933						
13	Nagpur	2,122,965						
14	Patna	1,707,429						
15	Indore	1,639,044						
16	Vadodara	1,492,398						
17	Bhopal	1,454,830						
18	Coimbatore	1,446,034						
19	Ludhiana*	1,395,053						
20	Kochi	1,355,406						
21	Visakhapatnam	1,329,472						
22	Agra	1,321,410						
23	Varanasi	1,211,749						
24	Madurai	1,194,665						
25	Meerut	1,167,399						
26	Nashik	1,152,048						

5ikkim

Jabalpur	1,117,200	1931	950
Jamshedpur	1,101,804	1941	945
Asansol	1,090,171	1951	946
Dhanbad	1,064,357	1961	941
Faridabad*	1,054,981	1971	930
Allahabad	1,049,579	1981	934
Amritsar	1,011,327	1991	927
Vijayawada	1,011,152	2001	933
Rajkot	1,002,160	Source: Census of India, 2001	
Total	107,881,836	10 P-1 1051 2001	

Junicipal Corporation **Rank in 2001 urce: Census of India, 2001

x Ratio: 1901-2001

-	
cars	Sex Ratio
	Females per 1,000 males
701	972
911	964
921	955

Literacy	Rate: 1951-	2001
Years	Persons	Malés

Years	Persons	Males	Females
1951	18.33	27.16	8.86
1961	28.30	40.40	15.35
1971	34.45	45.96	21.97
1981	43.57	56.38	29.76
1991	52.21	64.13	39.29
2001	65.38	75.85	54.16
C	Carrer of land	:- 2001	

Source: Census of India, 2001

विधित्त । रिप्त हो प्रिप्तह प्रेम्स हो सि

Indian population is said to be the melting pot of various races. Few, if any, can claim o belong to any particular stock.

Races (as per classical pattern): According o Dr. B. S. Guha, the population of India is lerived from 6 main ethnic groups: 1. Negrito; !. Proto-Australoids or Austrics : 3. Mongolids; 4. Mediterranean or Dravidian; 5. Westan Brachycephals and; 6. Nordic Aryans.

The Major Tribes who inhabit in India ire Abors-Arunachal Pradesh, Assam; Adi, Apalami-Arunachal Pradesh; Angami, Ao-Yagaland; Badagas-Tamil Nadu; Baiga-MP, Rajasthan, Gujarat; Bhils-MP, Gujarat, Rajasthan; Bhotias-UP (Garhwal and Kumaon); Bhutias-Sikkim; Birhor-Bihar; Bodos-Assum; Chenchus-AP, Orissa; Chutia-Assam; Dangs-Gujarat; Gaddis-HP; Garos-Megicleya; Conds-MP, Bihar, Orissa, AP; Great

Andamanese-Andaman Is.; Irulas-Tamil Nadu; Jaintias-Meghalaya; Jarawas-Little Andamans; Kanis-Kerala; Kacharis, Karbi-Assam; Khampti-Arunachal Pradesh; Khasis-Meghalaya, Assam; Khonds-Orissa; Kol-MP; Kotas-Tamil Nadu; Kuki-Manipur; Lepchas or Rongpa-Sikkim; Lushais-Tripura; Meiteis-Manipur, Nagaland; Mina-Rajasthan; Miri-Arunachal Pradesh; Mishing-Assam; Murias-MP; Mikirs-Assam; Mundas-Bihar, Oarons-Bihar, Orissa; Onges-Little Andamans; Rabhas-Assam; Rengma-Nagaland; Santhals-W.Bengal, Bihar; Sema-Nagaland; Sentinelesse-Andaman & Nicobar Is.; Shompens-Great Nicobar Is.; Tagin-Arunachal Pradesh; Todas-Tamil Nadu; Uralis-Kerala; Zeliang-Nagaland.

Scheduled Castes & Tribes There are 13.82 crores people belonging to the Scheduled Castes in the country. This constitutes

Religions of India

	1971		19	1981		221	2001		
Religious group	Number (m.)	Per cent	Number (m.)	Per cent	Number (m.)	Per cent	Number (m.)	Per cent	
Hindus	453.4	82.7	549.7	82.6	672.6	82.41	827.5	80.44	
Muslims	61.4	11.2	75.6	11.4	95.2	11.67	138.2	13.42	
Christians	14.3	2.6	16.2	2.4	18.9	2.32	24.1	2.33	
Sikhs	10.4	1.9	13.1	2.0	16.3	1.99	19.2	1.84	
Buddhists	3.9	0.7	4.7	0.7	6.3	0.77	7.9	0.68	
lains	2.6	0.5	3.2	0.5	3.4	0.41	4.2	0.38	
Others	2.2	0.4	2.8	0.4	3.5	0.43	7.3	0.65	
Total	548.2	100.0	665.3	100.0	816.2	100.0	1028.4	100.0	

16.48% of the countryis total population. The States of UP, West Bengal, Bihar, Tamil Nadu and Andhra Pradesh account for more than 50% of the SC population, with UP and West Bengal having more than 20% of its population from the SCs. Members of the SC earn their livelihood through their own

labour, either on land belonging to others or in occupations like scavenging, flaying and tanning of leather. More than 3 quarters of the SC workers are engaged in primary occupation and the proportion of those engaged in the tertiary sector is nearly half the national average. In the field of literacy,

Languages of India*- Number of Speakers

		no have writter	Percentage to total			
Language	as	their mother t		pop	ulation	
	1971	1981	1991	1971	1981	1991
Hindi	20,85,14,005	26,45,14,117	33,72,72,114	38.04	38.71	39.85
8engali	4,47,92,312	5,12,98,319	6,95,95,738	8.17	7.51	8.22
Telugu	4,47,56,923	5,06,24,611	6,60,17,615	8.16	7.41	7.80
Marathi	4,17,65,190	4,94,52,922	6,24,81,681	7.62	7.24	7.38
Tamil	3,76,90,106+	N.A	5,30,06,368	6.88	N.A	6.26
Urdu	2,86,20,895	3,49,41,435	4,34,06,932	5.22	5.11	5,13
Gujarati	2,58,65,012	3,30,63,267	4,06,73,814	4,72	4.84	4.81
Kannada	2,17,10,649	2,56,97,146	3,27,53,676	3.96	3.76	3.87
Malayalam	2,19,38,760	2,57,00,705	3,03,77,176	4.00	3.76	3.59
Oriya	1,98,63,198	2,30,21,528	2,80,61,313	3.62	3.37	3.32
Punjabi	1,41,08,443	1,96,11,199	2,33,78,744	2.57	2.87	2.76
Assamese	89,59,558	N.A		1.63	A.N	1.55
Sindhi	16,76,875	20,44,389	21,22,848	0.31	0.30	0.25
Nepali	14,19,835	13,60,636	20,76,645	0.26	0.20	0.25
Konkani	15,08,432	15,70,108	17,60,607	0.28	0.23	0.21
Manipun	7,91,714	9,01,407	12,70,216	0.14	0.13	0.15
Kashmiri	24,95,487	31,76,975	N.A	0.46	0.46	A.N
Sanskrit	2,212	6,106	49,736	N	N	0.01

N.A.: Not available; N:Negligible * Figures for 18 of the 22 Languages. Speakers of 8odo: 12,21,881 (1991 census); Dogn: 21,05,000 (1997 IMA); Santhalt: 52,16,325 (1991 census); Maithili: 2,20,00,000 (1981 census).

as against the national average of 52%, the literacy rate of SCs is around 37%. Among the SC women, more than three quarters are illiterate. Moreover, the drop out rate in formal education is very high. Such factors put the community at disadvantage.

The population of Scheduled Tribes were 6.78 crore (i91 Census) constituting 8.08% of the country's total population. Their literacy is just 29.60%. Literacy among the women is 18.19% compared to the national average of 39.29%.

Indian Languages

Although Hindi is the national language, India is believed to have 1652 mother tongues of which 33 are spoken by people numbering over a lakh. The officially recognised lan-

guages are 22. In fact, English is widely spoken and perhaps the link between North and South India.

Schedule Languages: A schedule—the 8th Schedule—was added to the Constitution to indicate all regional languages statutorily recognised. The Schedule originally contained 14 languages as follows:

(1) Assamese; (2) Bengali; (3) Gujarati; (4) Hindi; (5) Kannada; (6) Kashmiri; (7) Malayalam; (8) Marathi; (9) Oriya; (10) Punjabi; (11) Sanskrit; (12) Tamil; (13) Telugu; (14) Urdu.

Sindhiwas added in 1962. By the 71st Amendment to the Constitution, Konkani, Manipuri and Nepali were added to the list in 1992.

In 2003, four more languages, were added: Bodo, Dogri, Maithili and Santhali. (92rd Amendment)

ព្រែក ក្រព្យាឡាវិញ ប្រព្យា

The Constitution of India was drawn up by a Constituent Assembly (established in accordance with the Cabinet Mission Plan) initially summoned on Dec. 9, 1946, under the presidentship of Sachidananda Sinha, for undivided India. On July 1, 1947, the British parliament passed the Indian Independence Act', to divide in to India and Pakistan. With the partition of India the representathes of East Bengal, West Punjab, Sind and Baluchistan, N-W Frontier Province and the Sylhet Dist, of Assam, which joined Pakistan, ceased to be members of the Constituent Assembly. On August 14, 1947, the Constituent Assembly met again as the Sovereign Constituent Assembly for the Dominion of India under the presidentship Sach-dananda Sinha. On the demise of Sinha, Dr. Rajendra Prasad became the President of the Assembly. A draft Constitution was published in February 1948. 284 out of 299 members appended their signature to the Constitution and finally adopted it on 26th Nov 1949. It came into effect on 26th Jan 1950.

Draft Constitution Drafting Committee

The work started with the presentation of the "Objective Resolution" (the underlying ideology/philosophy) moved by Pandit Jawaharlal Nehru was adopted on Jan. 22, 1947. The committee for scrutinising the draft constitution and suggesting amendments was formed on August 29, 1947. The draft was readied by Feb. 1948. The Constituent Assembly met thrice to read the draft clause-by-clause in Nov. 1948, Oct. 1949 and Nov. 1949. After the

third reading, it was signed by the President and adopted on Nov. 26, 1949. In fact, a Committee on Rules of Procedure was in place as early as Dec. 1946. Chairman: Dr. B.R. Ambedkar.

Members: Alladi Krishnaswami Ayyar, N. Gopalaswami Ayyangar, Dr.K.M. Munshi, Syed Md. Saadulla, B.L. Mitter (was replaced by N. Madhava Rao) and D.P. Khaitan (was replaced by T.T. Krishnamachan).

The Indian Constitution closely follows the British Parliamentary model but differs from it in one important respect that is, the Constitution is supreme, not Parliament. So the Indian courts are vested with the authority to adjudicate on the constitutionality of any law passed by Parliament (ref. to 42 ëní Constitution Amendment Act).

The Constitution consists of the following: 1. The Preamble; 2. Parts 1 to XXII covening Articles 1 to 395; 3. Schedules 1 to 12 and 4. An Appendix. Part IX-The panchayats and Schedule XI (Article 243-G) have been incorporated under 73rd Constitution Amendment Act, 1992.

Amendments since 2000

BO. (2000) deals with an alternative scheme for sharing taxes between the Union and the states.

81. (2000) provides that the unfilled vacancies of a year reserved for SC/ST kept for being filled up in a year as per Article 16, shall be considered separately for filling vacancies in the succeeding year and the previous list will not be considered for filling the 50% quota of the respective year.

82. (2000) provides that nothing in the article 355 shall prevent the state from making any provisions in favour of the members of SC/ST for relaxation in qualifying marks with respect to examination/job/promotion.

83. (2000) The Act amended Article 243M to provide that no reservation in Panchayats be made in favour of SC/ST in Arunachal Pradesh where the whole population is tribal.

84. (2001) - The Act amended provisos to Articles 82 and 170(3) to readjust the territorial constituencies in the States, without altering the number of seats allotted to each State in House of People and Assemblies, including the S.C. & S.T. constituencies 1991.

85. (2001) - Amended Article 16(4A) to provide for consequential seniority in promotion by virtue of rule of reservation for the Government servants belonging to the Scheduled Castes and the Scheduled Tribes.

86. (2002) provides for (i) insertion of a new article 21A that the State shall provide free and compulsory education to all children of the age of six to fourteen years in such manner as the state may, by law, determine.

87. (2003) This Article provides that in Article 81 of the Constitution, in clause (3), in the proviso, in clause (ii), for the figures "1991", the figures "2001" shall be substituted.

8B. (2003) This Article provides for the insertion of a new article 268A which states that taxes on services shall be levied by the Government of India and such tax shall be collected and appropriated by the government of India and the States in the manner provided in clause (2).

89. (2003) This Article provides for the amendment of Article 338 and insertion of a new article 338A which provides that there shall be a National Commission for ST.

90. (2003) This Amendment provided that for elections to the Legislative Assembly of the State of Assam, the representation of the Scheduled Tribes and non-Scheduled Tribes in the constituencies included in the Bodoland Territonal Areas District, so notified, and existing prior to the constitution of the Bodoland Territorial Areas District, shall be maintained.

91. (2003) This Article provides that the total number of Ministers, including the Prime Minister, in the Council of Ministers shall not exceed fifteen per cent of the total number of members of the House of the people.

92. (2003) This Article provides for the inclusion of four new languages, viz. Bodo, Dogri, Maithili and Santhali in the Eighth Schedule of the Constitution.

Myrayjarvoj grazang nakajobmanga Myrayjarvoj grazang nakajobmanga

Dr. B.A. Prakash

Head, Department of Economics, University of Kerala

The current developments of the Indian economy can be examined only in the conxt of the economic reforms implemented nce 1991. The Structural Adjustment Reforms we been implemented in India in order to live the unprecedented economic crisis of the idian economy during early 1990s There had een a sharp decline in foreign exchange reerves, capital inflows through commercial porrowings and non-residents deposits. The country had been experiencing large and persistent macro economic imbalances, low productivity and low rate of return from im-exment. The fiscal deficit of the central and state governments reached an alarming level. There had been a steep increase in external and internal debt. The country began to experience a double digit inflation. The thrust of the reform process was to increase the efficiency and international competitiveness of industrial production, to utilize for this purpose foreign investment and foreign technology to a creater degree than in the past, to increase the producting, to modernize the financial sector and to attain a technological and competitive edge in the fast-changing global economy. During the last one and a naif decades the performance of Indian economy was much better compared to the previous periods in this cantext, the article examines the recent developments of the Indian economy.

L'Economic Growth and Structural Change Economic Growth

Are sal economic growth is the indicator which reflects the performance of any

economy. Economic growth is calculated on the basis of increase in the Gross Domestic Product indicating the value of goods and services produced in an economy during a year and estimated either at current or constant prices. The sector-wise annual growth rate of Indian economy estimated at constant prices are given in Table 1. The table shows that the overall growth of the Indian economy was at a higher rate during the decade 1960's compared to the earlier decade During 1960's the economy achieved a growth rate ranging between 6 to 7.3 percent during five years. During the present decade the economy achieved a higher rate since 2003/44.

An attemption made to evaluate the perconvice growth rate of lindar, activities found that the post-reform period. It is found that the primary sector comprising agriculture, forestly, fishing, mining and quarrying regionared very low or negative growth rate in four years during the decade 1900's. During the new miller rium, the pector also registered a regional or very converte of growth in 2000-01 and 2002-03. The major factor which dead times the growth rate of the primary tentor was the availability of accounter air fail

The ground of the perconducty period again period and an area manufacturing to the action, section by the area was an appearant to the ground and action as a substitution of the action registered a ground the action registered a ground the action registered a ground the action registered a ground the action registered a ground the action registered a ground the action registered a ground the action registered as a present actions who centered the action during the action has a ground and appeared actions who centered

Compared to the primary and secondary sectors the tertiary sector comprising trade, hotels, transport and communications, financing, insurance, real estate and business services, public administration and defence etc. registered a higher growth rate during the post-reform period (Table 1). During the last five years the sector witnessed an average rate of growth of more than 7 percent. Thus, a review of sector-wise growth rate of Indian economy shows that the economic reforms have accelerated a higher rate of growth of tertiary sector during the post-reform period compared to other sectors (Table 1).

Structural change

The structural change which denotes the changes in the share of primary, secondary and tertiary sectors to the total Gross Domestic Product, gives an idea about the broad changes that have been taking place in an economy. The broad changes in the structure of Indian economy during the post-reform period is shown in Table 2. A major change is the decline in the importance of primary sector comprising agriculture and allied activities. The share of the sector fell from 34.93 percent in 1991 to 22.97 percent in 2004-05. In the case of the secondary sector, the sect oral share registered a marginal decline during the post-reform period. On the other hand, the share of the tertiary sector had witnessed a continuous increase. Currently, 53.22 percent of the national income is produced in the tertiary sector. Thus, the economic reforms had initiated a process of structural change favouring the rapid growth of tertiary activities.

Economic Indicators

Based on the selected economic indicators, an attempt is made to provide the broad changes in national income, per capita income, industrial production, agricultural production, gross domestic capital formation and plan outlay during the first half of the present decade. Table 3 gives the selected economic indicators. The GDP at constant prices has increased from Rs. 18,70,387 crore in 2001 to Rs. 23,93,671 crore in 2004-05. Percapita income at constant prices increased from Rs. 16,223 to Rs. 19,699 during the period. The index of industrial production showed a steady rise during the period. On the other hand, the index of agriculture production registered a fall during two years. The gross domestic savings registered a steady increase during this period. The annual plan outlay also registered a rise and Rs. 2,69,267 crore was proposed as the annual plan outlay for 2004-05.

Table 4 presents the key indicators of output such as food grains, finished steel, cement, coal, crude oil and electricity generated. During the first half of the present decade except food grains, all other outputs have registered an increase.

Health indicators

Another issue is the impact of the economic reforms on the health status of the people. From table 5 we get the broad changes in the health status of the people. During the decade 1990's there has been a decline in birth rate, death rate and fertility rates. The maternal mortality ratio, infant mortality rate, child mortality rate also registered a decline. Another notable development was the Increase in the life expectancy of population. Thus, the above facts suggest that the economic reforms have helped to improve the health status of the people to some extent.

II. Agriculture

Agriculture and allied sectors providemore than half of the total employment and nearly one-fourth of the national income (GDP). According to the NSSO survey 2004, 66 percent of the usually employed males and 84 percent of the usually employed females were engaged in agriculture sector in rural

III Industry, Infrastructure, and services Industry

During the beginning of the present millennlum the industrial production remained very low especially in 2001-02 (Table 12). However, the industrial sector was able to achieve a recovery in production due to higher rate of growth of manufacturing and mining and quarrying activities. On the other hand, the growth of electricity production remained at a lower rate. The industries which witnessed rapid development during 2004-05 are beverages and tobacco products, textile products, paper and paper products, non electrical machinery, transport equipments and other manufacturing industries. Some of the industries which recorded higher rates of growth are automobile industries, textiles, gems and jewellery. The latest data on industrial production suggest that the manufacturing sector has recorded a higher growth in 2005-06 compared to the previous year. It is estimated that the manufacturing sector has recorded a growth of 9 percent in 2005-06 (April-February). It accounted for 93 percent of the total industrial sector growth. The important industries which registered an acceleration in growth during 2005-06 are other manufacturing industries, textile products, beverages and tobacco related products, basic metal and alloy, transport equipment etc. (Table 13).

On the other hand, the industries which experienced deceleration in growth are machinery and equipment other than transport, chemical and chemical products, jute and other fibres, paper and paper products etc. During the above period the industries which witnessed a negative growth are metal products, leather products and wood products.

infrastructure

A review of the growth of physical output in infrastructure sectors indicates a moderate growth between 2001-02 to 2004-05 (Table 14). In the case of coal production and electricity generation the growth rate was fow or moderate. The trends in crude oil production remained at low level. However, the production of steel and cement remain at moderate level. In the communication sector, rapid growth was recorded in the new telephone connections especially mobile phones. The number of mobile phones has increased from 6.54 lakh in March 2002 to 78.08 lakh in September 2005 (Table 15). It may be pointed out that basic infrastructure items like electricity, coal and petroleum products have not recorded higher levels required for attaining higher output in other sectors.

Services

Table 16 shows the indicators of the service sector during the last two years. During 2004-05 the indicators which recorded a higher growth are tourist arrivals, commercial vehicle production, new cell phone connections, import of cargo handled in civil aviation, passengers handled in domestic terminal and upgradation of highways. Growth in bank deposits, sustained acceleration in non-food credit, an increased export of information technology and enabled services have also contributed to the growth of service sector. But the tempo of the growth was not continued during 2005-06. The table shows that the majority of the indicators recorded a decline in the year 2005-06.

IV. External Sector

A notable achievement of the economic reforms has been the steady and sustained improvement of the Balance Of Payment (BOP) positions of India till 2003-04. Table 17 gives the summary of the BOP situation between 2000-01 to 2004-05. The recent developments in the BOP situation are given below.

Compared to 2003-04 there has been a deterioration in BOP situation in 2004-05 due

to the following factors. While the value of exports increased by 24 percent the import recorded growth rate of 48 percent resulting in an increase in trade balance. A major factor contributed to the increase in the imports was contributing the increase in world oil prices. The growth in the value of Petroleum Oil and Lubricants (POL) products was 45 percent during the year. There has been a decline in the invisibles, especially private transfers. All these have contributed to the deficit of current account in 2004-05. This marked a significant departure in the structural composition of India's BOP, with current account after three consecutive years of surplus turning into deficit. These developments can be considered as the indication of a deterioration in BOP situation. During the year there has been an increase in the external assistance and also commercial borrowings, However, there has been some improvement in capital account due to foreign investment flows and other financial flows to the country.

India's foreign trade data recently released by Ministry of Commerce and Industry indicate sustained high growth in merchandise exports and imports during 2005-06 (RBI Bulletin, May 2006). While the value of the exports in US \$ increased by 25 percent the import recorded the growth of 31.7 percent. The import of POL increased by 46.9 percent. The average crude oil price (Indian basket) during 2005-06 stood at US \$ 55.4, higher by 42.4 percent than a year ago. The non-oil imports recorded a growth of 26.8 percent during 2005-06. And the trade deficit stood at US \$ 39.6 billion during 2005-06, higher by \$2.7 percent than the previous year. The developments in the export and import indicate a further deterioration in the BOP situation during 2005-06.

A trend in the growth of foreign exchange tesewes will give us an idea about the stability the country achieved in the external sector. If efercign exchange reserves comprise gold,

Reserve Tranche Position in IMF, Special Drawing Rights (SDR) and foreign currency assets. Table 18 gives the trend in the foreign exchange reserves between 1990-91 and November 2005. The growth in foreign exchange reserves is mainly due to the growth in foreign currency assets. The total foreign exchange reserves of the country increased from \$5,834 million in 1990-91 to \$42,281 million in 2000-01. By the year 2005, it further increased to \$1,42,821 million. There has been a sustained increase in foreign exchange reserves during the first half of the present decade.

Commodity Composition of exports and Imports

India is a major exporter and importer of a number of products. Table 19 gives the commodity composition of exports. The three major categories of products exported from India are primary products, manufactured goods and petroleum and crude products. Primary products comprises of agriculture and allied, ores and minerals account for 16 percent of the total value of exports. Engineering goods, gems and jewellery, textile items, chemical and related products are the major industrial products exported from India. Nearly 72 percent of the exports are manufactured products. The structure of exports suggests that India has reached a stage of an industrially developed country, exporting industrial products.

Table 20 gives the principal commodities imported to India. POL account for nearly 32 percent of the value of imports. Capital goods and gold and silver account for another 20 percent of the value of imports. The other important items of imports are pearls and precious stones, electronic goods, chemicals, edible oils, coke, coal and metaliferrous ores. POL, capital goods and ores are the items having a highest increase in imports recently.

V. Inflation, Unemployment and Poverty

Inflation the whole sale price index, which reflects changes in the price of 447 commodities covering all traded goods in primary sector, fuel, power and manufacturing sector is the principal indicator of inflation. Table 21 gives the trends in inflation during the postreform period. During the early years of the post-reform period, Indian economy had witnessed an acceleration of inflationary trends. During the first half of the 1990's, the annual average rate of inflation was more than 10 percent. However, the rate of inflation registered a fall during the second half of the 1990s and the first half of the present decade. The increase in prices of fuel is a major cause for the increase in inflation in recent years.

Unemployment

We also present the trends in unemployment based on recent estimates of National Sample Survey Organisation (NSSO). Here the definition used to measure unemployment is Current Daily Status definition (CDS). The CDS indicates the unemployment status of a person without gainful employment and seeking employment during all the seven days in a week. The rate of unemployment is the ratio of unemployed days per week to the total labour supply per week (working plus seeking plus available days). According to NSSO survey, the unemployment rate for males and females both in rural and urban areas has recorded an increase between 1993-94 and 2004 (Table 22). Currently 9 per cent of the males and 9.3 percent of female labour force is unemployed in rural areas. The corresponding rates for urban areas are 8.1 percent and 11.7 percent.

Poverty

Incidence of poverty is estimated on the basis of poverty line. The poverty line serves as a cut-off line for separating the poor from the non-poor, given the size distribution of

population by per capita consumer expend ture classes. Population with per capita cor sumer expenditure levels below the level de fined by the poverty line is counted as poo The Expert Group of Planning Commission (1993) has recommended a monthly pe capita total expenditure, of Rs. 115.43 (rura and 165.58 (urban) in 1987-88 as the poerty line for the country as a whole. At th level of percapita total expenditure it is ex pected that a person will get the required pe capita daily intake of 2400 calories in rura areas and 2100 calories in urban areas. Tabl 23 shows the poverty rated and the total number of poor persons in India. The dat indicates that there has been a decline i poverty between 1993-94 and 1999-2000.

VI. Where do we stand?

During the recent years, Indian economy recorded a mixed performance of positive a well as negative developments. The growl rates of secondary and tertiary sectors were better since 2002-03. But the agricultural sec tor recorded a low or negative growth rate. review of the key indicators of output revealed that except foodgrains, all other output have recorded an increase during the recent years A unfavourable development is the low rate of growth of physical output in infrastructure especially electricity, coal and petroleum prod ucts. In the case of services the growth of major items of services recorded a marginal decline in 2005-06. A disturbing development is the deterioration in the overall BOP situation in recent years. The hike in oil prices, steen increase in exports and decline in the inflow of invisibles have led to a deficit in current account. However, India has a comfortable for eign exchange reserve situation. Another negative development is the increase in the rate of unemployment both in urban and rural areas. This indicates that the economic reforms have not succeeded in generating more jobs for the unemployed labour force.

Source. Economic Survey, 2005-06

Source: Economic Survey, 2005-06.

 		 			_	-	_	_
Tab	le 1							
4			-	•	-	•	-	-

	Annu	ial Growth Ra	ites of Gros	s Domestic Pr	roduct	
						(Per Cent)
3r	Agniculture	Manufacturing	Trade	Financing	Public	Gross
	forestry &	construction	hotels,	Insurance, real	administration	domestic
	fishing	electricity	33 Inoquard	estate	& defence	product at
	mining and	gas and water	commu	and business	and other	factor
	quarrying	supply	nication	services	services	cost (2to6)
	2	3	4	5	6	7
	T	A	t 1993-94 pri			
90-91	4.6	7.4	4.9	7.7	4.1	5.6
91-92	-1.1	-1.0	2.5	12.0	2.6	1.3
92-93	5.4	4.3	5.6	5.9	4.6	5.1
93-94	3.9	5.6	7.1	13.4	3.5	5.9
94-95	5.3	10.3	10.4	5.6	3.2	7.3
995-96	-0.3	12.3	13.3	8.2	7.9	7.3
96-97	8.8	7.7	7.8	7.0	6.3	7.8
97-98	-1.5	3.8	7.8	11.6	11.7	4.8
998-99	5.9	3.8	7.7	7.4	10.4	6.5
999-2000	0.6	4.9	8.5	10.6	12.2	6.1
	1	New Sei	ies at 1999-2	000 prices		
000-01	0.2	6.7	7.1	4.1	4.7	4.4
001-02	5.8	2.8	9.2	7.3	3.9	5.8
002-03	-5.6	6.8	9.1	8.0	3.8	3.8
003-04 (P)	9.6	7.9	12.0	4.5	5.4	8.5
004-05 (Q)	1.2	8.9	10.6	9.2	9.2	7.5
005-06 (A)	2.3	9.0	11.1	9.5	7.9	8.1

Sector-wise change of Gross Domestic Product							
ear	Primary	Secondary	Tertiary	Total			
990-91	34.93	24.49	40.58	100.00			
999-2000**	27.65	23.09	49.25	100.00			
004.05**	22.97	23.80	53.77	100.00			

Table 2

Frovisional, Q. Quick estimates, A: Advance Estimates

Based on 1993-94 prices ** Based on 1999-2000 prices

Table 3
Selected Economic Indicators

	1990-91	2000-01	2001-02	2002-03	2003-04	200-1-05
CDP at factor cost: \$						1
i. At current prices (its, crore)	5,10,954	19,30,184	20,97,446	22,55,574	25,43,396	28,43,8979
a. At constant prices (As. crore)	6,92,871	18,70,387	19,78,055	20,52,586	22,26,041	23,93,6719
Fer capita net national product, at constant prices\$ (Supers)	7,321	16,223	16,910	17,281	18,517	19,6494
ladek of Industrial Skiduction (Base 1993-94-4100)	91.6	162.6	167.0	176.6	189.0	204.8

Index of agricultural production (8ae: trien- niumending 1981-82	148.4	165.7	178.8	150.4	181.0	179.2
Gross dometic capital formation \$ (as per cent of GDP)	26.3	24.2	23.0	25.3	27.2*	30.19
Gross domestic savings (as percent of GDP)	23.1	23.5	23.6	26.5		29.1º
Plan Outlay (Rs. crore)	58,369	1,85,737	1,86,315	2,10,203	2,43,550(RE)	2,69,267(8E)
6 h : 1 2000 01 hand o	1002 04	orior others	on new series	1999-2000		

5 Prior to 2000-01 based on 1993-94 series, others on new series 1999-2000.

P: Provisional; Q: Quick; RE: Revised Estimate: BE: Budget estimate Source: Economic Survey, 2005-0

Table 4 Key Indicators of Output 2001-02 2004-05 1990-91 2000-01 2002-03 2003-04 204.6 176.4 196.8 212.9 174.8 213.5 a. . Foodgrains (million tonnes) 39.3 36.9 30.3 31.1 33.4 13.5 b. Finished Steel (million tonnes)££ 123.5 133.6 48.8 97.6 106.9 116.3 c. Cement (million tonnes) 389.3 412.9 367.2 225.5 332.6 352.6 d. Coal (including lignite) (million tonnes) 33.4 34.0 33.0 e. Crude oil 33.0 32.4 32.0 (million tonnes) 608.6 264.3 499.5 517.4 532,7 565,1 f. Electricity generated (utilities only) 8illion KWH)

££ including secondary producers

Source: Economic Survey, 2005-06

		1	ł	ì	D	le	5	

Selected health indicat	tors		
Parameter	1981	1991	Current leve
Crude birth rate (Per 1,000 population)	33.9	29.5	24.8 (2003
Crude death rate (Per 1,000 population)	12.5	9.8	8.0 (2003
Total fertility rate (TFR) (Per woman)	4.5	3.6	3.0 (2001
Maternal mortality ratio (MMR) (Per 1,00,000 live births)	NA.	437	407 (1998
		(1992-93)	i
Infant mortality rate (IMR) (Per 1,000 live births)	110	80	60 (2003
Child (0-4) mortality rate (Per 1,000 children)	41.2	26.5	17.8 (2002
Couple protection rate (per cent)*	22.8	44.1	48.
			(1998-99
Life expectancy at birth	1		
8.1 Male	54.1	59.7	63.
	{	(1991-95)	(2001-06
8.2 Female	54.7	60.9	66.
	1	(1991-95)	(2001-00
	Parameter Crude birth rate (Per 1,000 population) Crude death rate (Per 1,000 population) Total fertility rate (TFR) (Per woman) Matemal mortality ratio (MMR) (Per 1,00,000 live births) Infant mortality rate (IMR) (Per 1,000 live births) Child (0-4) mortality rate (Per 1,000 children) Couple protection rate (per cent)* Life expectancy at birth 8.1 Male	Crude birth rate (Per 1,000 population) Crude death rate (Per 1,000 population) Total fertility rate (TFR) (Per woman) Matemal mortality ratio (MMR) (Per 1,00,000 live births) Infant mortality rate (IMR) (Per 1,000 live births) Child (0-4) mortality rate (Per 1,000 children) Couple protection rate (per cent)* Life expectancy at birth 8.1 Male 8.2 Female 33.9 12.5 14.5 14.5 15.4 16.5 17.5 18.7	Parameter 1981 1991 1991 Crude birth rate (Per 1,000 population) 33.9 29.5 Crude death rate (Per 1,000 population) 12.5 9.8 Total fertility rate (TFR) (Per woman) 4.5 3.6 Matemal mortality ratio (MMR) (Per 1,00,000 live births) NA 437 (1992-93) Infant mortality rate (IMR) (Per 1,000 live births) 110 80 Child (0-4) mortality rate (Per 1,000 children) 41.2 26.5 Couple protection rate (per cent)* 22.8 44.1 Life expectancy at birth 8.1 Male 54.1 59.7 (1991-95) 8.2 Female 54.7 60.9 (1991-95)

Note: The dates in the brackets indicate years for which information is available

NA: Not Available

Source: Economic Survey, 2005-06

Table 6 Foodgrains production

(million tonnes)

rop/Year	2000-01	2001-02	2002-03	2003-04	200-1-05*
lice	85.0	93.3	71.8	88.3	85.3
Wheat	69.7	72.8	65.8	72.1	72.0
Coarse Cereals	31.1	33.4	26.1	38.1	33.9
^{Pulses}	11.1	13.4	11.1	14.9	13.4
foodgrains			ĺ		{
(1)	Kharif	102.1	112.1	87.2	116.9
103.3			}		1
d.	Rabi	94.7	100.8	87.6	96.6
101.3	į	1			
Total (1) + (11)	196.8	212.9	174.8	213.5	204.6

 ⁴th advance estimates

Source: Economic Survey, 2005-06

Table 7 Production of Foodgrains in three largest producing states

Year: 2004-05 (P)

, , , , , , , , , , , , , , , , , , , ,		•		(Production Million Tonnes)
	States	Production	Per cent Share of	Cumulative per cent
		*	Production to All India	of Production
And the second s	West Bengal	14.91	17.48	17.48
ùce	Uttar Pradesh	10.88	12.75	30.23
	Punjab	10,44	12.24	42.47
PR P - I PRINCIPLE VIEW BUILD SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	Uttar Pradesh	24.78	34.42	34.42
Wheat	Punjab	14.87	20.65	55.07
	Haryana	9.16	12.72	67.79
and the six of the services and comme and comme or company	Karnataka	2.38	16.83	16.83
Maire	Andhra Pradesh	1.92	13.58	30.41
	Uttar Pradesh	1.49	10.54	40.95
MATERIAL STREET STREET, STREET	Maharashtra	6.02	17.75	17.75
Total Coarse Cereals	Kamataka	5.77	17.01	34.76
	Rajasthan	4.88	14.39	49.15
the or a telepoor per half and telepoor and a secondary.	Madhya Pradesh	3.43	25.64	25.64
Total Pulses	Uttar Pradesh	2.36	17.64	43.27
	Maharasthra	1.70	12.71	55.98
	Uttar Pradesh	41.46	20.26	20.26
Total foodgrains	Punjab	25.84	12.63	32.89
	West Bengal	16.25	7.94	40.83

	de concession and an arrange	Table 8	and department which extends in		. A water company of the control of
a the result of the anterior and the second of the second	Commercial	crops: p	roduction		
	1 2000-01	2001-02	2002-03	2003-04	2004-056
Crop/Year	6.4	7.0	4.1	8.2	7.
Groundnut	4.2	5.1	3.9	6.2	8.
Rapeseed & Mustard	5.3	6.0	4.7	7.9	7.
Soyabean	2.5	2.6	2.1	3.0	3.
Other oilseeds	18.4	20.7	14.8	25.3	26.
Total nine oilseeds	9.5	10.0	8.6	13.9	17.
Cotton*	10.6	11.7	11.3	11.2	10.
Jute & Mesta** Sugarcane	296.0	297.2	287.4	237.3	232.
Million bales of 170 kgs. each	** Million bal	es of 180 kgs.	each	a. Feanomic S	.mev 2005-0

^{@ 4&}lt;sup>th</sup> advance estimates

Source: Economic Survey 2005-06

•	lab	ie >

Area and production of major horticultural crops

(Area-Million hectare, Production-Million tonnes

Crops	ps 2003-04 Area Production		j 200 ²	2004-05		2003-00	
Ciops			Area Production		Area Production		
Finis	4.8	49.2	5.0	53.1	5.2	57.6	
Fruits Vegetables	5.9	84.8	6.1	91.6	6.3	99.4	
Spices	2.4	3.8	. 2.5	4.1	2.6	4.4	
Plantation Crops	3.1	13.1	3.2	14.1	3.3	15.3	
Flowers	0.1	0.2	0.1	0.2	0.1	0.2	
Others	0.9	0.9	0.9	1.0	1.0	1.1	
Total	17.2	152,0	17.8	164.1	18.6	178.1	

Source: National Horticulture Board. * Estimated

[Tab	le 10		
~	Produc	tion and perca	pita availability o		
Year	Milk Production	Per capita	2001-02	84.4	2
	(Million Tonnes)	availability	2002-03	86.2	. 2
1	,	(ams/dav)	2003-04	88.1	2

Year	Milk Production (Million Tonnes)	Per capita availability (gms/day)	2001-02 2002-03 2003-04	84.4 86.2 88.1	2:
1990-91	53,9	176	2004-05 Source:	90.7 Department of Animal Hus	bandr)
2000-01	80.6	220	[Dairying and Fisheries	

Table 11

1.9 Index Numbers of Agricultural Production

(8ase:Triennium ending 1981-82 = 1

	Weight	2000-01	2001-02	2002-03	2003-04	2004
A. Foodgrains	62.92	158.4	172.5	140.4	172.1	16
a. Cereals	54.98	165.5	178.5	144.9	175.7	16
Rice	29.74	170.9	187.7	144.4	177.5	17
Wheat	14.45	198.0	206.7	186.8	204.9	20
Coarse Cereals	10.79	107.2	115.2	90.0	131.8	11

					_	
		1007	131.3	109.5	147.1	131.3
Pulses	7.94	109.3	133.1	103.0	140.7	136.9
ram	3.07	93.7	189.5	167.2	196.0	203.7
n-foodgrains	37.08	178.2	195.1	150.8	231.6	242.5
Dilseeds Total	12.64	176.5	117.2	68.7	136.4	117.1
Groundnut	5.60	106.8	249.1	190.1	303.8	409.5
Sapeseed and Mustard	2.41	205.2		117.5	177.3	211.8
Fibres	5.09	126.6	133.8	114.7	184.4	226.1
Cotton	4.37	126.6	132.9	159.0	159.4	149.2
lute	0.55	144.2	163.8	58.6	54.3	49.9
Mesta Mesta	0.14	72.5	64.0	208.9	208.9	208.9
Plantation Crops	2.29	209.0	208.9	1	151.1	151.1
	1.46	151.3	151.1	151.1	216.3	216.3
Tea	0.44	216.8	216.3	216.3	416.8	416.8
Colice	0.39	416.1	416.8	416.8	410.0	1.0.5
Rubber	0.52	1		1	1510	148.7
. Others	8.11	189.4	190.2	183.9	151.9	102.4
Sugarcane	1.12	71.8	113.6	102.4	102.4	
Tobacco	2.09	241.5	256.9	248.7		248.7
Potato		165.7	178.8	150.4	181.0	179.2
Il Commodities	100.00	1 103.7		_!		
rce: Economic Survey 2	005-06					
where it was a second to the s		Tab	le 12			
		140	16 12			
Aı	nnual gr	owth rate o	of industria	il broanca	on	
, -	/Based	on the index	of industrial p	oroduction)		
	(pasea	8ase 19	93-94=100			(Percent)
		Mining		nufa	Electri	Overall
Period	1	•			city	
	3	k Quarrying	Ciu	ring		
		10.47	79	9.36	10.17	100.00
Weights	1	9.7		14.1	8.1	13.0
1995-96		2.8	l	5.3	4.0	5.0
2000-01		1.2		2.9	3.1	2.7
2001-02		5.8	1	6.0	3.2	5.7
2002-2003		5.2		7.4	5.1	7.0
2003-04	}			9.2	5.2	8.4
2004-05	1	4.4	1	9.2	6.4	8.6
2004-05#	1	5.1	ł	1	4.8	7.9
2005-06#		0.4		8.9	4.0	
# (Apnl-December)						
Source Economic Sun	ey 2005-0	6				
		Ta	ble 13			
) . Perfr	rmanci	e of manu		Industry	Groups:	•
Penc		2005-06 (
u 165.						Item
						7

9165.	1165.		Item
			Percent
1 4	cceleration in Growth		
1.	Other Manufacturing industries	•	24.3
	Textiles Products including apparels	1	13.8
3	Eeverages, tobacco and related products		14.8
. 4	Basic Metal and alloy industries	į	14.7

5.	Transport equipment and parts	12.6
6.	Non-metallic mineral products	10.2
7.	Cotton Textiles	9.4
8.	Rubber, Plastic, Petroleum and Coal products	4.3
9.	Food Products	0.7
11.	Deceleration in Growth	
1.	Machinery and equipment other than transport equipment	11.7
2.	Chemicals and chemical products	8.5
3.	Jute and other vegetable fibre	1.0
4.	Paper and paper produces and printing publishing and allied activities	0.6
5.	Wool, silk and man made fibre textiles	0.5
		<u> </u>
111	Negative Growth	J
1.	Metal products and parts (except machinery and equipment)	-1.3
2.	Leather and leather and fur products	-5.0
3.	Wood and wood products, furniture and fixtures	-5.6
Sou	rce: RBI, Bulletin, May 2006	

		Table 14					
	Trends in growth of physical output infrastructure sectors (in per cent)						
ltem:	.	2001-02	2002-03	2003-04	2004-05		
1,	Energy						
1. 2.	Coal production Electricity generated by utilities	4.5	4.2	5.8	3.9		
3.	Hydel Thermal (including nuclear) Petroleum	-0.7 2.5	-13.7 6.2	15.6 3.6	14.5		
J.	a. Crude oil production b. Relinery throughout	-1.2 3.7	3.2 4,9	1.0 8.2	1.8		
11.	5teel	4.6	9.9	9.8	6.5		
u.	Cement7.4	8.8	6.1	6.6			
	Average growth of I to III	3.5	5,5	6.2	5.1		
IV.	Transport and Communications	,					
1. 2. 3. 4.	Railway revenue-earning goods traffic Cargo handled at major ports Telecom New telephone connections Civil Aviation	4.0 2.3 23.9	5.3 9.0 21.5	7.5 10.0 40.1	8.0 11.3 28.5		
	a. Cargo handled l. Export cargo handled ii. Import cargo handled b. Passengers handled at	4.1 -1.0	13.3 18.6	1.0 13.4	12.6 24.4		
Sour	i. International Terminals ii. Domestic Terminals rce: Economic Survey, 2005-06	-5.0 -5.7	4.8 9.6	6.5 13.1	14.0 23.6		

Table 15
Growth of telephones over the years

51.	Year	Fix	ed in m	ullion	Per cent	Mobile	in mala	п.	Per cent
No.		PSUs	Pvt.	Total	of PSUs	PSUs	Pvt.	Total	of PSUs
1	2001-02	37.90	0.52	38.42	98.65	0.26	6.28	6 54	3 78
2.	2002-03	40.53	1.10	41.63	97.36	2.64	10.35	12.99	20.32
3.	2003-04	40.49	2.36	42.85	94.49	5.99	27.70	33,69	17.78
4.	2004-05	41.11	5.09	46.20	88.98	10.97	41.20	52.17	21.03
5.	2005-06	40.70	7.01	47.71	85.31	16.48	61.60	78.08	21.11
	(first 9 months)								

PSUs & Public Sector units

Pit transfers

Orical transfers

Source: Economic Survey 2005-06

Table 16 Indicators of Service Sector Activity

Growth rates in per cent

Sub-Sector	Apni-January	April-January
	2004-05	2005-06
Tourist arrivals (Apnl-February)	23.7	11.7
Commercial vehicles production (April-Dec.)	32.3	9.7
Railway revenue earning freight traffic	7.8	10.4
New cell phone connections	17.1	68.0
Cargo handled at major ports	10.8	11.7
Civil aviation	į	
a. Export cargo handled	12.4	7.3
b. Import cargo handled	28.6	13.5
c. Passengers handled at		
international terminals	15.6	12.8
d. Passengers handled at domestic terminals	25.3	22.9
Roads: Upgradation of Highways	19.0	20.9
Cement (April-February)	6.6	11.9
Steel (April-February)	7.5	5.3
Aggregate deposits (end-March, year-on-year)	14.8	16.9
Non-food credit (end-March, year-on-year)	28.8	30.8
Central Covernment expenditure (April-February)	5.6	1.7
Source: RBI Builetin, May, 2006		

Table 17 Balance of Payments: Summary

	(In US \$ Million)					
	2000-01	2001-02	2002-03	2003-04	2004-05	
1. Exports	45,452	44,703	53,774	66,285	82,150	
2. Imports	57,912	56,277	64,464	80,003	1,18,729	
of which POL	15,650	14,000	17,640	20,569	29,844	
3. Trade balance	-12,460	-11,574	-10,690	-13,718	-36,629	
4 linus-bles (net)	9,794	14,974	170,35	27,801	31,229	
. Non-factor services	1,692	3,324	3,643	10,144	14,199	
treame	-5.004	-4.206	-3.446	-4,505	-3,814	

-4,206

15,398

458

-5,004

12,854

252

-3,814

20,253

591

4,505

21,608

554

-3,446

16,387

451

-5,400 14,083 6,345 3,400 -2,666 Current Account Balance 1,923 -3128 -2858 410 1,117 External assistance (net) 6. 5,040 -1,692 -2,925 4,303 -1,585 Commercial borrowing (net)@ 7. -26 IMF (net) 8. 3,642 -964 2,754 2,978 2,316 9. NR deposits (net) -376 -417 -474 -519 -617 10. Rupee debt service 13,744 12,147 11. Foreign investment (net) of which 5,862 6,686 4,161 3,217 2,388 3,240 3,272 4,734 i. FDI (net) 8,280 377 10,918 1,505 1,847 ii, Flls 627 438 447 567 743 lii. Euro equities & others 6,111 13,830 8,795 -3,739 -96 12. Other flows (net)+ 17,338 31,559 8,357 10,640 8,509 13. Capital account total (net) -31,421 -26,159 -11,757 -16,985 -5,842

14. Reserve use (-increase) Source: Economic Survey, 2005-06

	1010.	gn Exchange			(US \$ Million
Year	Gold	RTP	SDRs	Foreign Currency Assets	Total
1990-91	3,496	 	102	2,236	5,834
1995-96	4561		82	17,044	21,687
2000-01	2725		2	39,554	42,281
2001-02	3.047	1 -	10	51,049	54,106
2002-03	3,534	672	4	71,890	75,4281
2003-04	4,198	1,311	2	1,07,448	1,12,959*
2004-05	4,500	1,438	5	1,35,571	1,41,514*
2005 -	4,925	1,310	4	1,36,582	1,42,821*
November		, i	}		

Table 18

		TODIC 12					
	Commodi	ty composition	of exports				
Commodity Group		Percenta	ige Share		Growth rate*		
		April	April-October		April-October		
	•	2004	2005	2004	2005		
i.	Primary products	14.8	16.1	39.7	17.0		
	Agriculture & allied	11.2	9.9	27.0	8.8		
	Ores & minerals	4.9	5.4	81.1	35.9		
ü.	Manufactured goods	74.1	72.4	20.2	20.5		
	Textiles including		1		Ì		
	ready-made garments	13.2	11.8	9.3	10.5		
	Gems & jewellery	17.4	17.9	20.8	26.9		
	Engineering goods	20.2	20.1	36.6	23.1		
	Chemical & related products	11.8	11.1	30.1	15.9		
	Leather & manufactures	2.1	1.7	16.9	6.3		

0.5

8.7

100.0

0.5

11,1

100.0

-19.6

89.4

28.3

11.6

57.7

23.5

Table 19

In US \$ terms Source: Economic Survey, 2005-06

Petroleum, crude & products

Total Exports (1+ii+iii)

Handicrafts

iiì.

_	٠.	
NON	5	

Ta	ble 20			
Imports of prin	ncipal com	nodities		• •
Commodity Group	Percentag			th rate* October 2005
POL Pearl, precious & semi-precious stones Capital goods Electronic goods Gold & silver Chemicals Edible oils Coke, coal and briquettes Metaliferrous ores& metal scrap Professional instruments and optical goods	30.2 7.9 9.6 9.3 9.4 6.2 2.6 2.8 2.2	31.8 8.1 10.3 8.2 9.0 5.6 1.6 2.0 2.6	56.8 12.6 23.3 33.3 31.5 31.9 -11.9 99.5 72.1 15.2	41.4 36.4 44.2 17.9 34.1 19.7 -15.3 -3.2 57.0 26.8
Total Imports In US \$ terms Source: Economic Survey	100.0	100.0	36.9	34,3

Table 21	
Inflation in terms of Wholesale Price Index since 1991-9:	~ .
unidadit in ferring of Atholesale Luce funex since 1991-9	2

Based on 52-week average inflation rates

	Annual average WPI Inf	lation (%)		
	All Commodities	Primary	Fuel	Manufactured
Period		i	 	
Weights →	100	22.0	14.2	63.8
1991-92 to 1995-96	10.6	11.3	11.3	10.1
1996-97 to 2000-01	5.1	5.4	13.0	3.1
2001-02 to 2004-05	4.7	3.7	7.7	4.1
2005-06 as on 28.01.2006	4.77	24	9.8	3.6
Source: Economic Survey, 2005	5-6		~	

Table.27

	oloyment rates in incla (1922)						
Current Daily Status (CDS) Definition							
Area	50th Acura (1993-34)	ತೆರೆ ದೇ ನೆರುಸಡ (2004)					
	(Feren)	(Percent)					
Rural i. Males	5.6	2.0					
ii. Females	5.5	93					
Urban i. Males	á.T	3.1					
ii. Females	10.5	1:7					

nemployment Rate: Percentage of unemployed to total labour force

xurce: Economic Survey, 2005-06

Table 23

			ce of Poverty	til titula	स्या रहा ।	F. 75.
EN	Po	Poverty Ratio (Percent)		Rural	المرازع مراجع	
987-88	Rural	Urban	Committed	231.9	752	3675
993-94	39.1	38.2	33.9 36.0	244.0	. 76.3	2723
99-00	37.3	32.4	25.1	193.2	67.5	1
(4)	27.1	23.6	1 2001	1		•

ource Economic Survey, 2003-04

Dr. M.S. Swaminathan Chairman, National Commission on Farmers & M.S Swaminathan Research Foundation

he year 1968 marked the beginning of the Green Revolution leading to quantum jumps in the productivity and production of wheat and rice. The last 10 years have witnessed a fatigue in the green revolution with the growth rate in foodgrain production falling below population growth. Thus, human numbers are increasing faster than our capacity to make the goal of food for all a reality. At the same time, consumption is not going up due to inadequate purchasing power at the household level. A famine of iobs / livelihoods as a result of poor growth of opportunities for employment in the rural non-farm and off-farm sectors is leading to a famine of food at the household level. According to the Union Planning Commission, we are off-track in achieving the UN Millennium Development Goal of reducing the number of hungry persons by half by 2015. Also, we are off-track in reducing infant and maternal mortality rates and in achieving universal primary education.

Doubling Productivity

Our Prime Minister has rightly emphasized the need to double annual foodgrain production from the present 210 million tonnes to 420 million tonnes within the next 10. years, i.e. by 2015, which is also a benchmark year for achieving the UN MDGs. This will call for producing at least 160 million tonnes of rice from 40 million ha and 100 million tonnes of wheat from 25 million ha. Pulses, oil seeds, maize and millets will have to contribute 160 million tonnes. In addition,

the national goal is to raise the production of vegetables and fruits to over 300 million tonnes by 2015. Since land is a shrinking resource for agriculture, the pathway for achieving these goals has to be higher productivity per units of arable land and irrigation water. Factor productivity will have to be doubled, if the cost of production is to be reasonable and the prices of our farm products are to be globally competitive. The average farm size is going down and nearly 80% of the farm families belong to the marginal and small farmer categories. Fortunately, the ownership of livestock is more egalitarian. Enhancing small farm productivity, and increasing small farm income through crop-livestock integrated production systems and multiple livelihood opportunities through agro-processing and biomass utilization, are essential both to meet food production targets and for reducing hunger, poverty and rural unemployment. Progra mmes designed to achieve these goals must be engendered, since there is increasing feminisation of agriculture, poverty and undernutrition, as well as unfortunately HIV/AIDS.

Suicides among Farmers

The year 2005 was a difficult year both for the nation and for farm and fisher families. Beginning with the titanic tsunami of 26 December 2004 and ending with the disastrous earthquake in Kashmir and floods in Tamil Nadu, our farm and fisher families have been subjected to the fury of nature in the form of drought, unseasonal and heavy

rains (like the one which caused damage to the onion crop in Maharashtra) and floods. Institutional support to small farmers is weak. The same is true of post-harvest infrastructure. For example, even now paddy is being spread on the roads for drying in many places. The spoilage losses can be as high as 30% in the case of vegetables and fruits. Institutions, which are supposed to help farmers, such as research, extension, credit and input supply agencies, are by and large not pro-poor and pro-women. Mechanisms for risk mitigation are poor or absent. Hardly 10% of farmers are covered by crop insurance. Farm families are also not covered by health insurance. There is no Agricultural Risk Fund. Both risk mitigation and price stabilization are receiving inadequate policy support. The cost of production is invariably higher than the minimum support price, due to ever-increasing prices of diesel and other inputs. Investment in agriculture has suffered a decline over the past two decades. Capital formation in agriculture and allied sectors in relation to GDP started declining in the 1980s and is only now being reversed. This has adversely affected irrigation and med informations development. An

groups, the average size goes up to According to NSSO - 59th round, the average monthly per capita consumption expenditure of farm households across India was Rs.503 in 2003. Endemichunger (i.e., chronic under mitrition), is high both in families without assets like land or livestock, as well as in families with small land holdings without access to inigation, Policy reform in agriculture is thus overdue. Such policyreformshould be pro-small farmer and pro-women and pro-landless agricultural labour. If we do not attend to the problems of small farm and landless agricultural labour families with a sense of urgency and commitment, the "Indian Enigma" of the coexistence of enormous technological capability and entrepreneurship on the one hand, and extensive under-nutsition, power y and deprivation, on the other, will not only persist, but will lead to social disciplion and violence and increasing horeast issuestly Without peace and security, enduring economic progress will not be possible. Ica Mational Commission on Farmers has the effect recommended that the agricultural pratitions CT se sesquest the Year of Agricultural Garayai

policies. The programmes initiated during the 2006-07: Year of Agricultural Renewal by Central and State Governments, Panchayati Raj institutions, Agricultural Renewal by Central and State Governments, Panchayati Raj institutions, Agricultural, Veterinary, Rural and Women's Universities and IITs, Private and Public Sector Industries, Civil Society Organisations and Mass Media should be designed to foster productivity, quality, sustainability, profitability and employment revolutions in the farm sector in all the over 600,000 villages in the country. It should help to promote job-led economic growth in our villages.

The following should be the major components of the Action Plan for the Year of Agricultural Renewal. All of them require concurrent and integrated attention.

Soil Health Enhancement .

Agricultural Universities, ICAR and CSIR Institutes, Krishl Viqyan Kendras, Fertilizer Companies, State Departments of Agriculture and Farmers' Associations and Panchayati Raj institutions should commemorate 2006-07 as the Year of Soil Health Enhancement, The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) located at Hyderabad may be actively associated in this programme. ICRISAT has very valuable information on the soil health status in dryfarming areas, ICRISAT, CRIDA, CAZRI at Jodhpur and the National Bureau of Soil Survey and Land Use Planning of ICAR can provide technical support and assist in monitoring. The following steps need to be taken to launch a Soil Health Care movement in the country:

i. Re-tool and re-equip all Soil Testing Laboratories in order to enable them to provide each farm household with a Soil Health Card, which contains integrated information on the physics (soil structure, occurrence of hard pan in the subsoil, etc.), chemistry (soil organic

matter and macro-and micro-nutrient satus), and microbiology (occurrence of earthworms, soil micro-organisms etc.,) of the soils. The Soil Health Cards should stimulate balanced fertilization, including the amelioration of micro-nutrient deficiencies.

ii. Promote through campaigns and demonstrations, the introduction of fodder/grain legumes in the crop rotations as also the cultivation of green and green-leaf manure crops.

iii. Composting of all agricultural residues and wastes and the use of microbial fertilizers and farmyard manure should be promoted to the maximum extent possible.

iv. Methods of improving soil health through integrated nutrient supply will have to be prescribed and farmers should be assisted to adopt the recommendations.

v. All staff working in Soil Testing Laboratories should be retrained.

vi. Integrated wasteland and biofuels programme should be promoted.

vii. The Agri-clinics programme should be restructured and revitalized and farmgraduates should be encouraged to take to a career of self-employment in the rural services sector.

viii. Breeding soils for higher productivity may be undertaken in the case of problem soils and wastelands.

ix. Wasteland development could be linked to the production of biofuel and industrial raw material (for the production of paper and board, rayon, packaging material etc.) as well as fodder, firewood etc.

x. Community Land Care movements may be launched by Panchayats

Soil Health Enhancement holds the key of improving the return from investment in other inputs like seeds and water. Dry-farming areas need particular attention from the point of view of overcoming micro-and macro-nutrient deficiencies. The new green revolution has to begin in rainfed areas. The Government ol India has announced that it is setting up a

National Rainfed Area Authority for this purpose.

More Crops per Drop of Water

Irrigation Water: Supply Augmentation and Demand Management: Water is a public good and a social resource and not private property. The privatization of water supply distribution is fraught with dancers and could lead to water wars in local communities. Increasing supply through rainwater harvesting and recharge of the aquifer should become mandatory. In addition, a nationally debated and accepted strategy for bringing 10 million hectares of new - area under irrigation under the Bharat Nirman programme should be developed. The Polavaram Project to be built across the Godavan in Andhra Pradesh is a case inpoint. Different viewpoints can be reconciled only by dialogue and consensus building. All existing wells and ponds should be renovated. Demand Management through improved irrigation practices, including sprinkler and drip imigation, should receive priority attention. A Water Literacy movement should be launched and regulations should be developed for the sustainable use of ground water. Seawater farming should be promoted in areas through the cultivation of mangroves, salicornia, casuarina and appropriate halophytic plants. The conjunctive use of rain, river, ground, sea-and treated sewage water should become the principal method for the effective use of available water resources. In water scarce areas, the land use system should place emphasis on the cultivation of high value - low water requiring crop, such as pulses and oilseeds. Pulses and oil seed villages can be promoted where all farmers work together in harvesting rainwater and sharing the water equitably for growing pulses and oilseeds. Promotion of "Hybrid arhar (pigeon pea) villages" can be the starting point of a pulses revolution. In paddy and sugarcane, water saving methods of cultivation like those inherent in the "System of Rice Intensification" (SRI) methodology should be perfected and popularized. More crops per drop of water should not remain just a slogan. Land use decisions are also water use decisions. Hence, the choice of cropping systems should be based on irrigation water availability including rainfall pattern. Watershed management should be linked to the different Technology Missions as emphasized in our earlier reports, so that the concurrent availability of water and of the other inputs like seeds needed to optimize. the benefit from imigation water can be ensured. Low cost green houses can be promoted in areas where evaporation exceeds precipitation during many months in a year. Panchayats may be assisted in Jaunching water literacy and water quality management programmes.

Credit and Insurance

Credit reform should consist of the following measures:

i. Interest rate on agricultural loans: The spread between the deposit and lending interest rates in India is high by international standards. The need is to improve the efficiency in the financial intermediation by controlling both the transaction cost and the risk cost. On the part of the Government, crop insurance as well as the speed and manner in which the debt recovery and settlement process operates would need to be considerably improved. These improvements could be brought about in the medium to long term. A high interest rate means that a greater proportion of income has to be diverted to interest payment. Keeping in view the decline in the profitability of agriculture, and increasing farmers' distress and indebtedness, the government may consider providing support to the banking system for reducing the rate of interest for crop loans to 4% during the Year of Agricultural Renewal.

ii. Compounding of interest on The Compounding of interest

be applied only in the case of recalcitrant borrowers who do not pay the due inspite of having adequate repaying capacity. The farmers facing erosion in income and consequently their repaying capacity due to market failure should not be charged compound interest on arrears.

From micro finance to livelihood finance

iii. There is an urgent need for a paradigm shift from micro-finance to livelihood finance, as the access of the poor to micro-finance alone is not likely to alleviate their poverty. Livelihood finance is a comprehensive approach to promoting sustainable livelihoods for the poor, which includes financial services, [including insurance for life, health, crops and livestock: infrastructure finance for roads, power, market, telecom etc. and investment in human development], agriculture and business development services (including productivity enhancement, local value addition, alternate market linkages etc.] and institutional development services [forming and strengthening various producers' organisations, such as SHGs, water user associations, forest protection committees, credit & commodity cooperative empowering Panchayats through capacity building and knowledge centres etc.

iv. Access to institutional credit in poverty stricken tribal areas: Special efforts are required to improve the access to institutional credit in the poverty stricken tribal areas in the dry land agriculture regions like the Kalahandi belt of Orissa /palamau region of Jharkhand / tribal areas of Chhattisgarh/ Madhya Pradesh/ Andhra Pradesh and the Vidharba region of Maharashtra.

v. Agri-risk Fund: There are areas in our country, which have recurrent and frequent drought/floodsetc., which cripple the incomes of the farmers. These farmers become defaulters to the banks and thereby become 'push-outs" of the credit system. Rescheduling

and restructuring of their loans are not enough in the event of successive natural calamities. The government of India may step into create an Agricultural-Risk Fund to provide relief [waiver in full / part of loan and interest] to the farmers in the case of successive droughts, etc. and also waiver of interest on loans in areas hit by droughts, floods, heavy pest infestation etc. This Fund should have contributions from the Central Government. State Governments and Banks in a predetermined fashion.

vi. Distress 'hot spots' - moratonum on debt recovery: There is a need for moratorium on debt recovery including loans from noninstitutional sources in distress hotspots, till reasonable profit margins in agriculture operations are restored. The debt recovery may be staggered in easy installments. For this purpose, liquidity support may have to be provided to the localised banks like the RRBs/ Cooperative Banks etc.

vii. Credit for low cost/sustainable agriculture: There is need for developing suitable project profiles for low input sustainable agriculture and aquaculture. Institutional credit should also be available for viable projects of sustainable farming practices including the upkeep of traditional breeds of cattle.

viii. Issue of Kisan Credit Card to Women farmers: The Kisan Credit Card (KCC) is a major innovation in agricultural credit. However, inspite of nearly 4.5 crore KCCs issued by the banks, very few cards have been issued to women farmers. As a matter of fact, no separate data are available in this regard. Keeping in view the fact that there are a very large number of women-headed farming families, particularly in the hills and NE Region, special effort is needed to issue KCC to these farmers. The banks may develop proper documentation systems to issue KCCs towomen where the land is in the name of the menfolk who do not reside in the rural area [jobs in the

ties/army etc.] or face similar other situation nd the land is cultivated by the wife.

ix Distress sale -need for pledge loans: istress sale by small / marginal farmers to quare off their debts or for immediate onsumption purposes soon after harvest is uite common. According to the Report of he Inter-Ministerial Task Force on Agricultural Marketing Reforms, micro-level studies reveal hat about 50% of the marketable surplus of mall/marginal farmers is disposed off in distress sale. It is normal for a farmer to get 10-15% discounted price for spot payment for nis produce. Pledge loans to farmers need to be liberalised and encouraged to help the

farmers to overcome this problem. x. Credit business potential in marketing Infrastructure: The banking system needs to develop credit potential of financing projects for improving/modernization of markets, storage including cold storage facilities, rural based transport operators, etc.

xl. Pariwar Bima Policy: An integrated micro Insurance policy providing floating cover for various risks i.e., hospitalisation of husband, wife and dependents, natural death. accidental death, permanent partial disability and loss/damage to dwelling unit etc., may be introduced with government support for the poor. The Panchayats and NGOs/Self Help Groups could be the delivery arrangement for reaching a large number of clients. The government may meet a part of the premium cost as a life saving support towards a safety net for the poor-

xiii. Rural Insurance Development Fund: A Rural Insurance Development Fund may be created to take up development work for spreading rural insurance.

xiv. Crop Insurance: Crop insurance & covering about 14% of the farmers. The result is to expand the cover to all farmers and all crops in a time bound manner. The scheme needs to be made more farmer friendly and the premium reduced.

AV. I stabilish Credit Counseling Centres where severely tradelihed farmers can be provided with a delik rescue package of Information in order to get their out of the debt trap, and thereby save them from committing suicide,

xvi. Establish in every block a Self-help Group Capacity Building and Mentoring Centre in order to equip members and managers of SHGs with the needed management, marketing and accounting expertise. The use of Kisan Call Centres needs to be popularized.

xvii. Develop and introduce an Integrated credit-cum-crop-livestock-human health insurance package.

xviii. Promote credit and insurance literacy through the Every Village Knowledge Centre movement. For this purpose, introduce policies for more extensive use of Community Radio linked to the internet / cell phone.

Stress on Technology

Technology is the prime mover of change. Both technology fatigue and technology gap should be avoided. This will call for revitalization of research, education and extension systems. It is suggested that all ICAR institutions and Agricultural Universities may commemorate 2006-07 as the Agricultural Technology Year. The major aim of this year should be to strengthen participatory research and knowledgemanagement with farming families and the organisation of about 60,000 Lab to Land programmes in the area of post-harvest technology and value addition to primary products. Farm schools should be established in the fields of farmer achievers in order to foces farmer to farmer bearing of their 25.00 crises.

Actolitical section work who we SECTORIO CON ACCIONACIONI CONTRO CHECOTOR CONTROL COMMENTAL CONTRA Jak march (no per enter the ent of reterior, on rendering of the in should be to enhance income per hectare on an environmentally sustainable basis.

There should be a proper match between production and post-harvest technologies and a post-harvest technology wing should be added to every Krishi Vigyan Kendra. Also, Lab to Land demonstrations should include post-harvest technology. About 60,000 lab to land demonstrations may be organized in the area of post-harvest handling, processing and value addition during 2006-07 to mark the 60th anniversary of our independence. Many of them should be organized in dryfarming areas, where millets, pulses, oilseeds and cotton are grown. The help of CSIR and the Central Food Technology Research Institute (CFTRI), Mysore should be taken by ICAR while designing the Lab to Land programme. The demonstration should be so designed that they also serve as training around.

For landless agricultural labour (both women and men), the aim should be to convert them into skilled workers, thereby adding economic value to their time and labour. The training should be in skills which can help in organizing market driven enterprises and the training methodology should be based on the principle of learning by doing.

Management procedures which canconfer the economy and power of scale to small and marginal farm families, such as Small Holders' Cotton and Horticulture Estates should be popularized. In such estates, production and biomass utilization can receive concurrent attention. Average farm size is going down steeply, and Farmers' SHGs in the form of joint management units like the Cotton, Horticulture, Aquaculture and other Estates are urgently needed. The SHG movement should cover both the production and post-fiarvest phases of farming.

Value addition to biomass will help to generate skilled jobs. Rice occupies the largest

area in the country and the opportunities for generating more jobs and income by establishing Rice BioParks. Similarly, ecoboards can be produced from cotton stalks.

There should be a pro-nature, pro-poor and pro-woman orientation to technology development and dissemination. Organic Farming and Low External Input Sustainable Agriculture (LEISA) techniques should be promoted along with Integrated Natural Resource Management and Integrated Pest Management (IPM) techniques. The role of women, both as farmers and farm labour is criticalfor the success of eco-farming practices. Hence, all programmes designed to foster access to technologies must be gender sensitive.

Agricultural and Rural Universities, Home Science colleges and Research Institutes should foster participatory research and knowledge management systems with farm women and men. They should identify farm families from whom other farmers can learn (land to land transfer of technology). Farm Schools should be established in the fields of such farmerachievers as recommended in the first report of NCF.

Scientist - Panchayat Linkage

New technologies like biotechnology (BT) and Information, Communication Technology (ICT) should be demystified and a cadre of Rural Farm Science Managers should be developed by training a couple of women and men members of every Panchayat /local body in the management of new technologies, such as the establishment of refugia in Bt Cotton fields and the detection of spurious seeds by using the Bt detection kit developed by the Central Institute for Cotton Research, Nagpur. Under the 73rd Constitution Amendment, the responsibility of Panchayats includes agriculture and agriculture extension. Therefore, a Scientist-Panchayat linkage is the need of the hour.

Genome Clubs may be organized in village schools and KVKs to spread genetic literacy. Illegal release of genetically engineered crop varieties like Bt Cotton should be stopped. Spurious seeds will ruin the spread of useful technologies.

Inputs are needed for output. Hence, the right inputs should be available at the right time and place at affordable costs. Input supply systems should become farmer-friendly and also controlled by Farmer Self Help Groups to the extent possible. Quality standards should be enforced. The package of technology to be effective must be accompanied by an appropriate package of services in the areas of extension and input supply.

Energy is a key input. The energy sources needed by farm families, both electricity and diesel, should be available in a reliable manner and at affordable price. In addition, solar energy could be tapped where economical. There should be a Panchayat-led integrated energy generation and management movement.

ICT should be effectively harnessed to empower rural men and women through the Every Village a Knowledge Centre Movement with farming system and season specific information.

Market Reforms

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Ultimately, it is only opportunities for assured and remunerative marketing that will determine the economic viability of farming both as a way of life and a means to livelihood. Market reform should begin with production planning, so that every link in the cultivationconsumption-commerce chain receives adequate and timely attention.

The existing State Land Use Boards are not equipped to provide proactive advice to farmers on land use planning. There is an on पिहरियद्ध dr. Service, linked to State and Block Level Land Use Advisory Services on a hub and spoke model. These can be virtual organisation with the capacity to link land use decision with ecological, meteorological and marketin factors on a location and season specific basi The National Land Use Advisory Service ca be linked to the proposed Indian Trad Organisation (ITO) as described later. should have continuous contact with IME ISRO, Agricultural Universities an Departments, Commodity Exchanges an Futures Markets, APEDA, Commodity Board and all credible national and internation sources of information on domestic an international markets. The Land Use Advisor Service should cover crop and anim husbandry, horticulture, inland fisherie forestry and agro-forestry, and have the capacity to proactively assess potenti surpluses and shortages of essenticommodities.

The State and Block level Land Use Advisor Service Organisations should have appropriate linkages to data providers at the State an local levels. The Block level Advisory Service can be located in the ISRO supported Villag Resource Centres under the Mission 2002 Every Village a Knowledge Centre Movemen

Land use advice should be based on th quantity and quality of the available imgation water and temperature. The National and State Level Land Use Advisory Service should also monitor the state of crops and issue timely warning on emergent surpluses and shortages. If this is done, situations like the recent onion shortage crisis can be avoided Without economically and ecologically sound and proactive advice on land and water use, farmers will have to fend for themselves in taking decisions on what to grow. With the spread of agricultural globalisation, شعده عداته be disastrous to the economic reach of farmers.

Thus, the National متستقية Year Programme of 2020concurrent with soil health enhancement, augmentation of the area under irrigation coupled with efficiency and equity in water use, credit and insurance reform, technology upgradation and dissemination, and farmer-centered marketing. The aim of the Agricultural Renewal Programme will be enhanced productivity per units of arable land and irrigation water, higher profitability, increased on-farm and off-farm employment opportunities and long-term environmental sustainability. Distress hot spots should receive priority attention.

in a globalised economy, we should develop appropriate institutional instruments and policies to safeguard the livelihood security of nearly 70% of our population who depend on crop and animal husbandry, inland and marine fisheries, forestry and agroforestry and agroprocessing for their work and income security. Risk Mitigation and Price Stabilization Funds will be needed. All Technology Missions and the SmallFarmers' Agri-business Consortium (SFAC) should be restructured under competent professional management. Each Mission should have measurable time-bound goals. The Mission Director, an eminent professional, should be in position at least for a period of 5 years.

Farmersneed appropriate institutional support to enhance their agricultural competitiveness. Institutional support to confer on small farm families the power and economy of scale is vital to enhance the productivity and profitability of smallfarms. Multiple livelihood opportunities are essential for ensuring the income security of resource-poor farming families, particularly in rainfed semi-arid, and and hill regions. Mixed farming and improved post-harvest technology leading to value addition to primary products can help to achieve this goal.

An Indian Trade Organisation

The Union Minister for Commerce and Industry and the Government of India have done a commendable job in safeguarding the

interests of our farm women and men in the recent negotiations at Hong Kong. They have put together a broad-based coalition of the concerned. Postponement of agreement in agricultural negotiations will however prolong the unequal trade bargain entered into at Marrakesh in 1994. As a national selfempowerment measure, we should consider establishing an Indian Trade Organisation (FFO) and our own boxes for domestic agricultural support on the model of WTO's Blue, Green and Amber Boxes. The value of our annual agricultural production including livestock in 2002-03 was Rs.5,60,516 crore1. The value of our exports of farm commodities in 2002-03 was Rs.34,654 crores (6.18% of total agricultural production)2. Thus only a small proportion of our agricultural commodities enter the global market, since with a population of over a billion, there is a large home market. Hence, we must segregate the very modest support we extend to our farmers into two groups - those which are of the nature of life and livelihood saving support to small farm families, and those which could be considered as trade distorting in the global market. The Indian Trade Organisation (ITO) can be virtual organisation, specializing in WTO affairs. It can serve as a brain and information bank for enabling Government to take informed and proactive decisions. It can provide timely advice on potential surpluses and shortages in major agricultural commodities, by maintaining a trade watch. The Indian Trade Organisations should serve as a friend and guide to small farm families and should provide proactive advice on land use and crop planning. The ITO will help to build a longterm memory system in relation to home and external trade and help checkmate adverse global trade trends by stimulating timely national action.

Knowledge Connectivity

Knowledge Connectivity should become

fundamental to physical connectivity under the Bharat Nirman programme. The revised Bharat Nirman document contains the following statement regarding Knowledge Connectivity.

"The Government is committed to expanding rural connectivity through a slew of measures so that rural users can access information of value and transact business. This will include connecting block headquarters with fiber optic network, using wireless technology to achieve last mile connectivity and operating information kiosks through a partnership of citizens, Panchayats, Civil Society Organisations, the Private sector and Government."

The National Alliance for Mission 2007: Fvery Village a knowledge Centre facilitated NCF provides a platform for partnership r achieving the goal of knowledge innectivity under Bharat Nirman. It is sential that Government reviews its policy wards Community Radio, since a imbination of the Internet /cell phone and immunity radio will help to take timely formation to farmers even in the remotest irts of the country. The last mile and last erson connectivity can be achieved only rough a combination of internet and either sell phone or FM radio.

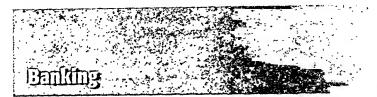
In 1995, the Supreme Court of India ruled, ir waves or frequencies are public property". he principle is the same as for seawater a shrined in the immortal Dandi March of the fahatma Gandhi. A successful merger of ele-centre technologies and the radio will elp to usher in an era of knowledge evolution in rural India. Efficient disaster anagement and mitigation will be greatly acilitated by such a step. We therefore ecommend that Village Knowledge Centres VKC) may be permitted to apply for a ommunity radio license. The eligible rganisations should also include Gram iabhas Cooperatives, ICT-Self Help Groups

promoted by NABARD, NGOs and Educational Institutions.

In an era of globalisation and bottom-up approaches to development, Community Radio can act as an important medium iı strengthening grassroots and mainstream linkages, act as a true people's medium and contribute towards creating a vibrant, awar and informed community, the hallmark of true democracy. As one of the signatories to the process of the World Summit of Information Society, India is committed to ensure a political atmosphere that enable the creation of a "people-centred, inclusiv and development oriented Information Society, where everyone can create, access utilize and share information and knowledge. Extending to the citizens of India, a right over airwaves would be an essential measure i both these regards.

A Community Radio Station attached to VKCs may be permitted to cover an area capproximately 110 kilometers radius. In the case of hilly areas as well as fishing zones is oceans, a wider coverage will be needed Broadcasting using transmitters upto half watt should be delicensed. The Community Radio license should follow the programmand commercial codes of the All India Radio A forward-looking Community Radio Policy which will be in keeping with the spirit of the Right to Information Act is the need of the hour. Knowledge and skill empowerment of farm families is essential for achieving the goals of the Year of Agricultural Renewal

Overall economic growth rates have meaning if we do not look after the economic health and survival of over 60% and population. The programme contribution of an ever-green second improvements in promise profitability without assured to the path of an ever-green second improvements in promise profitability without assured to the path of an ever-green second improvements in promise profitability without assured to the path of an ever-green second improvements in promise profitability without assured to the path of the



Panking in India has its origin as early as the Vedic period. It is believed that the transistion from money lending to banking must have occurred even before Manu, the great Hindu Juńst, who has devoted a section of his work to deposits and advances and laid down rules relating to rates of interest. During the Mogul period, the indigenous bankers played a very important role in lending money and financing foreign trade and commerce. During the days of the East India Company, it was the turn of the agency houses to carry on the banking business. The General Bank of India was the first Joint Stock Bank to be established in the year 1786. The others which followed were the Bank of Hindustan and the Bengal Bank. The Bank of Hindustan is reported to have continued till 1906 while the other two failed in the meantime. In the first half of the 19th century the East India Company established three banks; the Bank of Bengal in 1809, the Bank of Bombay in 1840 and the Bank of Madras in 1843. These three banks also known as Presidency Banks, were Independent units and functioned well. These three banks were amalgamated in 1920 and a new bank, the Imperial Bank of India was established on 27th January 1921. With the passing of the State Bank of India Act in 1955 the undertaking of the Imperial Bank of India was taken over by the newly constituted State Bank of India. The Reserve Bank which is the Central Bank was created in 1935 by passing Reserve Bank of India Act 1934. In the wake of the Swadeshi Movement, a number of banks with Indian Management were established in the country namely, Punjab National Bank

Ltd., Bank of India Ltd., Canara Bank Ltd., Indian Bank Ltd., The Bank of Baroda Ltd., The Central Bank of India Ltd. On July 19, 1969, 14 major banks of the country were nationalised and on 15th April 1980 six more commercial private sector banks were also taken over by the government. Today the commercial banking system in India may be distinguished into

Public Sector Banks

- a. State Bank of India and it associate banks called the State Bank group
 - b. 20 nationalised banks
- c. Regional Rural Banks mainly sponsored by Public Sector Banks

Private Sector Banks

- a. Old generation private banks
- b. New generation private banks
- c. Foreign banks in India
- d. Scheduled Co-operative banks
- e. Non-Scheduled banks

Co-operative Sector

The Co-operative banking sector has been developed in the country to supplement the village money lender. The co-operative banking sector in India is divided into 4 components.

- State Co-operative Banks
- 2. Central Co-operative Banks
- 3. Primary Agriculture Credit Societies
- 4. Land Development Banks
- 5. Urban Co-operative Banks
- 6. Primary Agricultural Development Banks
- 7. Primary Land Development Banks
- B. State Land Development Banks

Development Banks

1. Industrial Finance Corporation of India (IFCI)

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SockMaker, 2003-07: Onlook and Susiezy

P. Sreevalsan Menor Chief of Bureau, The Week, Mumba

Indian stock markets drew more attention in 2006 with an unusual fluctuation that saw confidence levels dipping to new lows. While 2006 began with the Bombay Stock Exchange Sensitive Index (Sensex) nearing a new milestone, having crossed 10,000 points, many experts were quick to question the sustainable nature of such a growth. Fundamentally strong, the economy was the key driver but rising interest rates and soaning global crude oil prices applied brakes on its acceleration.

Closer to 2006, many leading investment bankers had raised issues like a high current account deficit, then close to a 15-year high of 2.2% of GDP to widen further and mar the party. A slowing capital inflow was already putting stress on Indian rupee. At this juncture, a firm domestic demand for oil was inflating its oil import bill. Though stock markets were on an upswing, these issues were boiling in the background. In fact, fundamentals such as favourable long term demographics, strong corporate fundamentals, better liquidity that helped consumption and private sector growth and a solid GDP growth trajectory of 6-8% drew investments into India, which remains a domestic-demand driven economy.

Beginning of 2006 calendar year, Sensex valuations were a reasonable at a multiple of 13. Compared to emerging markets like Russia and Brazil, India looked well in line or at times slightly overpriced. The P/E multiple and real earnings growth were easily the highest. Indian retail investors in general remained

underinvested in equities and the bullishnes. in indices attracted them more to the market. There were many growth sectors tha seem richly valued while there were many sectors such as banking, IT and mining as overweight in many portfolios.

However, Sensex continued its upward journey for 2006 despite facts being loaded against it. In May, the seemingly endless journey was cut short as the month proved yet again to be the nemesis of markets. What seemed as a reaction to a CBDT circular or taxing the Flls, the Indian markets felt the heat as a selling frenzy began. Trading had to be suspended following an unprecedented selfing pressure. From a peak of 12,000 points, Sensex crashed below 9,000 as many investors, who had created long positions, sold to cut down losses. It once again showed the immaturity of Indian investors who now began talking about 'Bean market and the need to get of out it.

Flls who were struggling to reduce losses in emerging markets and mutual funds who saw large redemptions were net sellers. Many dubbed this as a sign of foreign investors deserting India. Statistically speaking, net selling by institutional funds (with a total asset size \$26bn) was far higher at \$556 million in April 2006, the highest since 1995. Both emerging market funds and country funds sold heavily. They improved this record in May by selling equities worth \$753 million. However, the May 2006 correction was crucial as the BSE Sensex went down 15% in just 7 trading days to take away much of the

riticism that it was overvalued and overrated. his helped most analysts to maintain a positive stance on the Indian economy. Meanwhile, Indiais six core industries clocked a prowth of 8.8% as industrial production rose o 7.7%.

After the mayhem, sanity returned. As olatility remained above surface, investors almed down to take stock of the situation. Many realized that markets were attractive nough to buy since the PE multiples were ttractive and there were much value left in nany stocks. As noted earlier, among Asian merging markets, India was one of the most indervalued markets till 2003-04, a status it hanged during the last year. However, the May 2006 correction has changed the equaion to India now being labeled as a market vith a very small premium. The series of corections also acted tempting for larger invesors. Since June and July 2006, good corpoate results and a stable economic environnent have been helping markets to be stable t the present levels. From May levels, the narkets have slowly pulled back to around 1,700 levels in Sensex due to steady investnents.

Amid this, there are concerns over tight global liquidity and deteriorating trade balance. These may not check India's strong economic growth, say analysts. As India is geting younger and younger, its productivity younds to rise. The dramatic multiplier effect on our consumption and subsequently on economic growth is tremendous. The pertapita Income, currently at \$750, promises to reach \$1,000 in another 8 years time.

But going forward, are these secular trends oriced appropriately? Analysts react positively. Investments in Indian markets must be seen in marginally a different context. As much as 50% of the GDP is led by domestic consumption whereas others emerging countries are dependent on foreign markets. Indian corporates have been systematically improv-

ing their records in terms of return on equity, corporate governance, various benchmarking and overall competitiveness to stay above the rest. This makes them more attractive.

For the next few months ending the financial year 2007, sectors like FMCG, pharma, retail, media and textiles look attractive in terms of valuations. But let us take a further view on some of the areas where investment would be meaningful. Basically, India, a service driven growth story, has much to offer since we are in the middle of a capital expenditure boom and rapidly expanding outsourcing. Hence Indian companies having bases in domestic consumption story, banking, capital goods and global footprints are worth investing. The rural India is slowly emerging as a force to reckon with in financial sector, FMCG and other basic services such as telecom and aviation sectors focusing on it. Itis an untapped and sleeping giant out there. Infrastructure companies offer tremendous value story since rural and urban India is craving for more roads and power. As of now, the year ahead looks stable unless oil prices create further havoc and inflation goes out of control.

Analysts say that itis ironic enough to rate India as a safe haven during any global slowdown. A country with least dependence on global trade, India exports services and projects crucial to global companies. The country continues to sustain the lead in terms of manpower cost and volumes. An abundant supply of young manpower is a credential seldom one can boast of. Indiais growth will be sustained and may reach greater levels if the government acts on reforms front. Infrastructure, agriculture, taxation and labour laws need immediate attention. Large investments are required for SEZs, ports, airports, roads and imgation. Meanwhile, more investments are required to update r tion, health and legal system.

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As of now, India remains in focus for the next three years for many funds who are country centric. Top of the list are India country funds, which sustain high cash levels for India investments. Their calculation is that immediate uncertainties that weighed the Indian markets are over. Interest rate hikes seem to have reached finishing line since inflation is now under control. Any fear of a weak monsoon was far fetched as most of the country received excess rainfall, often resulting in floods. Critically, this year, the agriculture is expected to make a significant and a positive contribution to GDP growth.

If you are looking to invest in India in 2007, there is no better time than now. The country has survived the worst since May 2006, more Importantly it escaped the massive capital outflows from emerging markets, and still looks very promising in terms of valuation. As analysts noted, even the Indian derivative markets are about to buck the pessimist overtone.

At present, going by the key fundamentals most experts believe that for next 6-8 months there is very limited downside risk at the cur rent levels. So go ahead and pick up you choicest blue chips and lot more of mid-cap because these are quite attractive now.

According to a Morgan Stanley report technically speaking towards third quarter o 2006-07, an intermediate rally is expected and that would sustain the Sensex to reach 14,700 points by June 2007. As it noted, India had been the best performer in the emerging markets rally so far giving a handsome return of 45.6%, in US dollar terms, followed by Indonesia. The research further said that India was amongst the cheapest Asian emerging markets both on trailing and prospective terms. If India is ranked the second most volatile market after Korea, it has also delivered a 7% CAGR (in US dollar-terms) for the last 15 years. In short, it is the second best performing Asian emerging market.

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folios beyond shares, bonds and real estate, investment in commodities can be a good option. Commodities have the potential to become a separate asset class for market-savvy investors, arbitrageurs and speculators.

investors, arbitrageurs and speculators.
In many ways, Commodity markets operate just like public market places or auctions. For instance, prices of commodities on an exchange are determined solely by supply and demand conditions, which is no different from the way in which prices are determined in more familiar markets. In addition, commodity margins are

analogous to the down payment one generally makes in connection with a real estate transaction. Once certain facts are understood, one can see that commodity markets are an integral part of a well-run economy.

The primary distinction between a futures market and a market in which actual commodities are bought and sold, either for immediate or later delivery, is that In the futures market one deals in standardized contractual agreements only. These agreements (more formally called futures contracts) provide for delivery of a specified

amount of a particular commodity during a specified future month, but involve no immediate transfer of ownership of the commodity involved.

The purpose of a commodity exchange is to provide an organized marketplace in which members can freely buy and sell various commodities in which they have an interest. The exchange itself does not operate for profit. It merely provides the facilities and ground rules for its members to trade in commodity futures, and for non-members also to trade by dealing through a member broker and paying a brokerage commission.

Indian Scenario

Commodity markets in India are still in their initial stages of development. The essential contributors of this scenario include stringent regulatory restrictions, intermediate ban on commodity trading and policy interventions by the government. To increase the efficiency of the markets the Forward Markets Commission (FMC), the governing body of commodities trading in India, has taken several initiatives for the establishment of national level multi-commodity exchanges in India.

These exchanges serve as platforms for facilitating transparent trading, trading in multiple commodities, electronic delivery systems and efficient regulatory mechanisms, creating a world class environment for Indian traders. In order to sustain the increasing volumes in commodities trade, the need for proper clearing and settlement systems, warehousing facilities and efficient pricing mechanisms has been identified. With the recent boom in commodities markets, Indian participants are gearing up for exploiting the potential opportunities in the future.

The major commodity markets are in the United Kingdom and in the USA. In India there are 25 recognised future exchanges, of which there are three national level multi-commodity exchanges. After a gap of almost three decades, Government of India has allowed forward transactions in commodities through Online Commodity Exchanges, a modification of traditional business known as Adhat and Vayda Vyapar to facilitate better risk coverage and delivery of commodities. The three exchanges are:

- * National Commodity & Derivatives Exchange Limited (NCDEX)
- * Multi Commodity Exchange of India Limited (MCX)
- * National Multi-Commodity Exchange of India Limited (NMCEIL)

All the exchanges have been set up under overall control of Forward Market Commission (FMC) of Government of India. Commodity markets are of great help not only for their participants but also the economy as a whole. The twenty year bear market for commodities has drastically reduced the prices of many commodities to their lowest levels. The present shift in trend in commodity trading complemented by the global increase in demand will certainly hold a promising future for the investments in this segment.

Universal Scenario

Secular decline and variability in agricultural commodity prices continue to be matters of concern, not only for those developing countries dependent on commodity export earnings, especially from tropical crops, but also for those developing contries increasingly reliant on food important for their food security. Secular relative and crime in agricultural commodity processes and induces supply expanded as technological progressions and induces supply expanded as technological progressions and induces supply expanded as technological progressions.

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impact of world commodity price variability on producers and consumers and the effectiveness of price signals in bringing about adjustments in supply and demand depend on the extent to which world market prices are transmitted to domestic markets.

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orld leaders greeted the new century and millennium with the Millennium Declaration adopted by the United Nations General Assembly in September 2000. The 147 heads of state and government who attended the Millennium Summit that month also accepted the Millennium Development Goals (MDGs) emerging from the Declaration as a blueprint for reducing poverty and improving people's lives across the globe. All 191 UN member states, including India, have since pledged to work towards meeting these goals in stages during the period up to 2015.

The eight goals, as well as the specific targets and indicators included under each, have come under legitimate criticism from several quarters for their many limitations. One of the serious shortcomings of the MDGs, for example, is the compartmentalisation of women within the goals and the narrow vision of gender concerns in the context of development reflected in the targets and indicators listed under each goal.

Two of the goals are gender specific: promote gender equality and empower women (MDG 3) and improve maternal health (MDG 5). But clearly, as the Millennium Declaration and several other UN agreements acknowledge, the other six — eradicate extreme

poverty and hunger; achieve universal primary education; reduce child mortality; combat HIV/AIDS, malaria and other diseases; ensure environmental sustainability; and create a global partnership for development – are also intimately linked to gender equality and women's empowerment.

The targets and indicators highlighted under the gender-specific goals further reduce their scope. For example, the only target mentioned under MDG 3 suggests that gender equality and women's empowerment can be achieved simply by eliminating gender disparity in primary and secondary education (preferably by 2005), and at all levels by 2015. Equally inadequate are the four indicators of equality and empowerment associated with this goal: the ratio of girls to boys at each educational level, the sex ratio in literacy among 15-24 year olds, women's share in wage employment in the non-agricultural sector, and the proportion of seats held by women in the national Parliament.

India's Country Report 2005 on the MDGs acknowledges not only that the goals are interlinked but that gender equality is a vital aspect of each. According to the Report, achievement of gender equality depends upon the integration of gender-related tar-

gets within each of the goals and, by the same token, achievement of all the goals is critically dependent upon the attainment of gender equality. The Report also mentions that India's Tenth Five-Year Plan (2002-2007) has not only taken note of the MDGs and included a number of targets to be achieved during the Plan period, but that these internal targets generally aim higher than the internationally agreed upon ones.

This is just as well since India's share of global responsibility towards meeting the MDGs is fairly substantial. The country has the dubious distinction of accounting for a quarter of all maternal deaths and nearly a quarter of all deaths of children under five across the globe, 34 per cent of the world's underweight children, and 28 per cent of the world's poor who live on less than US\$ 1 a day.

India's rank in the Human Development Index formulated by the United Nations Development Programme (UNDP) is not very encouraging either: it occupies the 127th position among 177 countries in 2005. This low ranking (with just 50 countries in a worse state of human development) has remained constant for three years, with the UNDP's Human Development Reports of 2003 and 2004 placing it at the same position. The country's ranking on the Gender Development Index (first introduced in 1995 to focus on the gender aspects of human development) improved marginally from 103 in 2003 and 2004 to 98 among 140 countries in 2005. Significantly, India does not even figure in the UNDP's Gender Empowerment Measure (GEM), presumably on account of the paucity of gender-disaggregated data on women's roles and positions in government, management, the professions and technical fields.

At this point, nearly half way into the 15-year period within which the MDGs are supposed to be fulfilled (at least to the extent prescribed by the targets), and close to the end of the 10th Plan period, how close is In-

dia to meeting its international obligations symbolised by the MDGs, not to mention achieving its own targets?

Maternal health

Take, first, the simpler of the two genderspecific MDGs and its accompanying target: improving maternal health by reducing the maternal mortality ratio by three quarters. India's maternal mortality ratio (MMR) is currently among the highest in the world; only about 30 countries across the globe - most of them among those included in UNDP's "low human development" category — have a worse record (India is placed close to the bottom of the "medium human development" category). According to India's Country Report, in order to achieve MDG 5, the MMR has to be reduced from the estimated 437 deaths per 100,000 live births in 1991 to 109 by 2015. The latest MMR figure quoted by the Report is 407 for 1998, although calculations by United Nations agencies, based on the most recent data reported by national authorities, peg it considerably higher at 540 in the period up to 2003.

In any case the prospects for cutting the prevailing MMR by three-quarters over the next few years do not seem very bright. According to an editorial in the Medical Journal Armed Forces India of July 2005, the National Health Policy of 1982 aimed at reducing the MMR from over 400 then to less than 200 by the year 2000. Going by figures from the Registrar General of India (RGI), quoted in the editorial, not only did the MMR remain 407 until the turn of the century, but evidence suggests that it has not changed significantly since.

This is not surprising considering the country's record in the proportion of births attended by skilled health personnel (the second of the two indicators mentioned under this goal). By the government's own admission, this has increased from 25.5 per cent in

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This is not surprising considering the country's record in the proportion of births attended by skilled health personnel (the second of the two indicators mentioned under this goal). By the government's own admission, this has increased from 25.5 per cent in

1992-93 to 39.8 per cent in 2002-03. Although the Country Reports suggests that this is an encouraging trend that can help reduce chances of maternal death, such slow improvement — 14 per cent over a decade — appears unlikely to help India meet the MDG target of reducing matemal mortality appreciably in the less than ten years left.

It is also important to note the inter-state differences in MMR which, according to the RGI, range from 87 in Kerala (far below the national average as well as the MDG-based target of 109) to 707 in Uttar Pradesh and 739 in Orissa (considerably higher than the national average and nearly seven times the MDG target). Unless the latter states, along with Rajasthan (607), Madhya Pradesh (498) and Bihar (451), rapidly and effectively improve their performance on this front, the goal of improving maternal health in the country may remain unfulfilled well beyond 2015.

Gender equality

With the goal of promoting gender equality and women's empowerment having been reduced within the MDGs to eliminating gender disparity in education, achieving this sole target under goal number three may be more feasible. According to the Country Report, at the beginning of the decade the proportion of females to males was 78:100 in primary education, 63:100 in secondary education and 58:100 in higher/tertiary education. The govemment seems fairly upbeat about the possibility of achieving the limited target of ensuring that there is no gender disparity in education by 2015. The Report puts gender parity at the primary level at about 88 per cent for the whole country but highlights the fact that two states (Sikkim and Meghalaya) have already reached parity while the majority of the rest follow close behind. In addition it points to increased enrolment and decreased dropout rates among girls at various levels.

The Country Report also highlights India's record with regard to the other indicators listed under MDG 3. For instance, it puts the female literacy rate at just over 53 per cent in 2001 (although the figure revealed by the Census of India, 2001 is a little above 54 per cent and UN agencies, working with national estimates, record it at a little below 48 per cent). According to the Report, the ratio of literate women to men is 71:100.

However, in terms of both female literacy and gender parity in education, inter-state variations will have to be tackled if women's educational disadvantage is to be actually eliminated on the ground. For example, a number of states are lagging way behind in female literacy, with Bihar and Jharkhand bringing up the rear at just over 33 and 39 per cent respectively, and states like Jammu & Kashmir (41.8%), Uttar Pradesh (42.9%), Arunachal Pradesh (44.2%) and Rajasthan (44.3%) also trailing well below the national average, which in itself is hardly a satisfactory benchmark.

According to the Report, during 1999-2000 the share of Indian women in wage employment in the non-agricultural sector—the third indicator under MDG 3 — was just over 15 in rural areas and approximately 16.6 in urban areas. And the proportion of seats held by women in Parliament — the fourth indicator — is abysmally low at just a little over 9 per cent (averaging the numbers in the Lok 5abha and the Rajya 5abha in 2004). Clearly the country has many miles to go before it achieves even the limited vision of gender equality and women's empowerment outlined by MDG 3.

Child mortality

Although the Country Report begins by acknowledging that gender equality is a prerequisite for the achievement of all the MDGs, it stops short of seriously addressing genderrelated factors in its discussion of other goals. Take, for instance, MDG 4: reduce child mortality. The specific target is to "reduce by two thirds the mortality rate among children under five."

According to the Human Development Report 2005 (HDR 05) India currently accounts for 2.5 million child deaths annually, which translates into approximately one fifth of the world total of 10.5 million. In other words, of every five children who die in the world, at least one is an Indian child. What is more, one in every 11 children in this country dies in the first five years of life because of lack of access to low technology, low cost interventions. To make matters worse, malnutrition, which has barely improved over the past decade, affects at least half of all Indian children.

Child mortality has everything to do with the status of women but there is no mention in the MDGs or in India's Country Report of the gender aspects of the problem. Take, for instance, gender-related differences in child death rates. According to the HDR 05, in India "girls aged one to five are 50 per cent more likely to die than boys." This leads to the phenomenon of "missing" girls: "In this country alone as many as 130,000 young lives are lost each year because of the disadvantage associated with being born with two X chromosomes." (HDR 05) What is more, female mortality rates remain higher than male rates up to age 30, reversing normal global demographic patterns.

Most reasons for the higher rate of child mortality among girls have to do with gender. As the latest HDR points out, the gender differences in child deaths reflect a widespread preference for sons, particularly but not only in the northern states of the country. Less valued than their brothers, girls are often taken to health facilities in more advanced stages of illness, taken to less qualified doctors and have less money spent on their nutrition and health care.

There are additional gender-related rea-

sons for India's scandalously high, though slowly reducing, child mortality rate. The lov social status and consequent educational dis advantage suffered by women have a direc bearing on their own health as well as that o their children. For example, about one-third of Indian children are underweight at birth and that is directly related to their mothers poor health.

Women's education is, of course, important in itself - because women have or should have equal right to education. But it is also closely associated with child mortality. As the HDR 05 points out, the under-five mortality rate is more than twice as high for children of illiterate mothers as for those whose mothers have completed at least middle school. Apart from being less prone to under-nutrition, better educated mothers are more likely to use basic health services, have fewer children, avoid having children too early, and space births. And all these factors contribute to child survival.

So, clearly, as India's Country Report initially points out, all the MDGs are closely connected and gender inequality impacts almost all of them. Reducing child mortality (MDG No. 4) cannot realistically be separated from MDG 1 (eradicate extreme poverty and hunger) and MDG 2 (achieve universal primary education), besides the two gender-specific goals: MDG 3 (promote gender equality and empower women) and MDG 5 (reduce maternal mortality). Actually, even MDG 6 (combat HIV/AIDS, malaria and other diseases) is linked: for example, the growing number of women who are HIV+ suggests that more children at risk from the virus - and, as is well known, women's vulnerability to HIV/AIDS also has to do with gender dispanties.

In spite of these connections between gender and child mortality, India's Country Report on the MDGs glosses over the obvious and apparently growing gender gap in the Under Five Mortality Rate (USMR) The pend

is clear in some of the graphs and tables in the section on child mortality. For example, the graph presenting data on the U5MR by place of residence and sex shows that the overall rate has gone down in both rural and urban areas between the periods 1988-1992 and 1998-2002. However, while the difference between male and female child death rates has remained more or less the same in rural areas during the two periods (higher by approximately 17 for females), the even more distressing fact is that the difference in urban areas has risen from one in the earlier period to nine in the later period. In other words, the USMR for girls actually increased in urban areas over that decade. All the Country Report has to say about this is: "More declines are noticed for males than for females."

The growing gender gap is evident in the Infant Mortality Rate (IMR), too. It is true, as the Report states, that the IMR has been slowly but steadily falling over the decades. from 114 in 1980 to 60 in 2003. What is not highlighted in the document is the fact that the gap between male and female child deaths has actually risen in the new milleninium. It is clear from the table and graph presenting IMR data by sex that the gap hovered around two between 1980 and 2000 and then jumped to seven by 2003. Despite this disturbing development, the Report merely says, "The rate of decline is more pronounced in the case of male as compared to female."

What is more, the alarming decline in the sex ratio of children in the 0-6 age group over the past decade and more is dealt with – indeed, downplayed — in just one paragraph at the very end of the chapter dealing with MDG 4. The sex ratio of females to males in the Indian population is among the most imbalanced in the world: not only has it long been awkwardly and unnaturally skewed, it has also been declining for sev-

eral decades – from 972 in 1901 to 927 in 1991. The shocking revelation of the Census of India, 2001 was that while the sex ratio among the general population stood at 933 females to 1000 males (up from 927 in 1991), the sex ratio among the youngest section of the population — 0-6 years — had dropped sharply to 927 (down from 945 in 1991).

The Union Minister for Health recently acknowledged that the number of "missing girls" in the country had risen from 25 million in the 1990s to 35 million in the new millennium. What is more, the under-six sex ratio is most unfavourable in prosperous states like Punjab, Haryana, Gujarat and Mahara-shtra. Not only do urban centres like Delhi and Chandhigarh also have an adverse sex ratio but in the capital city the problem appears to be most acute in the more affluent areas. It appears that the falling sex ratio has increasingly become a problem among the urban, affluent and educated sections of the population, although it is also quickly spreading in other areas. According to the Census authorities, among the factors contributing to the dismal situation are sex-selective abortion, female infanticide, and neglect of girl children.

Considering the evidence, it is remarkable that India's Country Report on the MDGs does not list gender discrimination among the principal causes of child mortality in the country. With the data clearly suggesting that it is an important factor contributing to the high rate of child death, it is obvious that MDG 4 cannot be met without tackling the problems that render the girl child in India an endangered species.

Indeed, according to the HDR 05, reducing gender inequality would have a catalytic effect on cutting child deaths: if India closed the gender gap in mortality between glrls and boys aged one to five, that would save an estimated 130,000 lives, reducing the

Development, security, human rights for all

It is worth noting that, unfortunately and ironically, this has happened during the decades when the country ostensibly began to move into the premier league of world economic growth, with high technology exports soaring and the huge Indian consumer class becoming a magnet for foreign investors.

The World Summit held at the UN headquarters in New York in September 2005, to mark the fifth anniversary of the adoption of the Millennium Declaration and Development Goals, was expected to result in major decisions on critical issues such as ending poverty, promoting human rights, fighting terrorism and helping countries recover from deadly conflicts of various kinds. The main themes of the Summit were: Freedom from Want, Freedom from Fear and Freedom to Live in Dignity.

In a report titled "In Larger Freedom: Towards Development, Security and Human Rights for All," released ahead of the Summit, UN Secretary General Kofi Annan said the "world must advance the causes of security, development and human rights together, otherwise none will succeed. Humanity will not enjoy security without development; it will not enjoy development without security; and it will not enjoy either without respect for human rights."

While that is certainly true, it is equally true that neither security nor development nor human rights can be achieved unless women's rights to all three are fully recognised, respected and realised. Clearly women, too, have a right to Freedom from Want, Freedom from Fear and Freedom to Live in Dignity.

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N. Vittal

Formerly Central Vigilance Commissioner

Corruption is lack of integrity. This could be lack of intellectual integrity, financial integrity or moral integrity. In the context of public life, it is the lack of financial integrity which is prominently under discussion. The corrosive negative impact of corruption is being increasingly realized. World Bank defined corruption as use of public office for private gain. It is increasingly therefore, in the context of public affairs and governance of the country that the

issue of corruption is being discussed and highlighted.

The United Nations had adopted in the year 2003, the Anti-Corruption Convention. This was preceded by the 1997 adoption of the Anti-Corruption Convention by the Anti-Corruption Convention by the OECD countries. The fight against control as an important item in the agence of the international scene emerged especial after the end of the cold war.

So long as the cold war last

world was divided between two super powers, the United States and the soviet Union, in international affairs, particularly when it comes to financial assistance and loans from multilateral aid agencies like the World Bank etc. are concerned, corruption did not figure prominently as a significant issue. In those days what was important was the geo strategic consideration of the super powers. Some of the developing countries were led by notoriously corrupt dictators. The World Bank was able to fund them because the attitude of the super powers was, 'it is true that so and so may be the son of a bitch, but he is our son of a bitch'.

Corrosive Impact

But after the end of the cold war the corrosive impact of corruption is being increasingly realized. It is seen to be antieconomic development, anti-national and anti poor. The need for checking corruption in global business also emerged more or less simultaneously after the end of the cold war because, in the globalised economy, the need for ensuring good corporate governance was soon realized. Globalization involves the movement of four economic parameters, namely, (i) physical capital in terms of plant and machinery, (ii) financial capital in terms of the money invested in emerging markets, (iii) labour and (iv) technology move across national borders, International investors are increasingly realizing that it is not enough to have good corporate management, but it is necessary to have good corporate governance. Corporate management involves handling the resources available to a manager, namely, financial resources, physical resources and human resources and time in the best possible manner to achieve goals like increased profitability, market capitalization and so on. Nevertheless, it is possible for a company to have a good corporate management but fail to be honest in its transactions feading ultimately to disaster. Corporate governance, refers to the moral framework, the ethical framework and the value framework within which business decisions are taken. The collapse of the South East Asian tiger economies in 1997 followed by the New York stock exchange collapse of Fortune 500 companies like Enron, Worldcom and leading firms like Arthur Anderson showed that if there was no good corporate governance, then the healthy business cannot take place.

We are therefore living in a world where when it comes to public governance, the need for integrity and checking corruption is increasingly realized as very valuable. Even in business, the need for honesty is being underlined by the focus on the principles of corporate governance. Ultimately, corporate governance depends on three elements. First is transparency. Because, without transparency the second element of accountability cannot be enforced and accountability in the case of an enterprise is to ensure that the interest of the shareholders and stakeholders are protected and are not compromised.

It is against this overall context to the issue of corruption globally, we may look at India. When asked about corruption, Indira Gandhi dismissed the question by saying 'corruption is a global phenomenon'. It is true that corruption is a global phenomenon, practically every country has cases of corruption. But then there is a lot of difference between the degree of corruption between countries. The Transparency International, an NGO based in Berlin annually publishes the grading of the countries on the basis of what is called Corruption Perception Index (CPI). According to the 2005 CPI, India ranks at 88 out of the 156 countries. The least corrupt is Finland and the most corrupt country is Bangladesh. China figures at rank 78.

TI 2005 Corruption Perceptions Index					
Country	Country	2005	Confidence	Surveys used***	
	rank	CPI Score*	range**		
1.	Iceland	9.7	9.5 - 9.7	8	
2.	Finland	9.6	9.5 - 9.7	9	
3.	New Zealand	9.6	9.5 - 9.7	9	
4.	Denmark	9.5	9.3 - 9.6	10	
5.	Singapore	9.4	9.3 - 9.5	12	
6.	Sweden	9.2	9.0 - 9.3	· 12	
7.	Switzerland	9.1	8.9 - 9.2	9	
8.	Norway	8.9	8.5 - 9.1	9	
9.	Australia	8.8	8.4 - 9.1	13	
10.	Austria	8.7	8.4 - 9.0	9	
11.	Netherlands	8.6	8.3 - 8.9	9	
12.	United Kingdom	8.6	8.3 - 8.8	11	
13.	Luxembourg	8.5	8.1 - 8.9	8	
14.	Canada	8.4	7.9 - 8.8	11	
15.	Hong Kong	8.3	7.7 - 8.7	12	
16.	Germany	8.2	7.9 - 8.5	10	
17.	USA	7.6	7.0 - 8.0	12	
18.	France	7.5	7.0 - 7.8	11	
19.	Belgium	7.4	6.9 - 7.9	9	
20.	Ireland	7.4	6.9 - 7.9	10	
21.	Chile	7.3	6.8 - 7.7 ·	10	
22.	Japan	7.3	6.7 - 7.8	14	
23.	Spain	7.0	6.6 - 7.4	10	
24.	Barbados	6.9	5.7 - 7.3	3	
25.	Malta	6.6	5.4 -7.7	5	
26.	Portugal	6.5	5.9 - 7.1	9	
27.	Estonia	6.4	6.0 - 7.0	11	
28.	Israel	6.3	5.7 - 6.9	10	
	Oman	6.3	5.2 - 7.3	5	
30.	United Arab Emirates	6.2	5.3 - 7.1	6	
31.	Slovenia	6.1	5.7 -6.8	11	
32.	Botswana	5.9	5.1 - 6.7	8	
	Qatar	5.9	5.6 - 6.4	5	
	Taiwan	5.9	5.4 - 6.3	14	
	Uruguay	5.9	5.6 - 6.4	6	
36.	Bahrain	5.8	5.3 - 6.3	6	
37.	Cyprus	5.7	5.3 - 6.0	5	
	Jordan	5.7	5.1 - 6.1	10	
39.	Malaysia	5.1	4.6 - 5.6	14	
40.	Hungary	5.0	4.7 - 5.2	11	
	Italy	5.0	4.6 - 5.4	9	

	South Korea	5.0	4.6 - 5.3	12
43.	T™unisia	4.9	4.4 - 5.6	7
44.	Lithuania	4.8 -	4.5 - 5.1	8
45.	K uwait	. 4.7	4.0-5.2	6
46.	South Africa	4.5	4.2-4.8	11
47.	Czech Republic	4.3	3.7 - 5.1	10
	Greece	4.3	3.9 - 4.7	9
	Namibia	4.3	3.8 - 4.9	8
	Slovakia	4.3	3.8 - 4.8	10
51.	Costa Rica	4.2 .	3.7 - 4.7	7
	El Salvador	4.2	3.5 - 4.8	. 6
	- Latvia	. 4.2	3.8 - 4.6	7
	Mauritius	4.2	3.4 - 5.0	6
55.	8ulgaria	4.0	3.4 - 4.6	8
	Colombia	4.0	3.6 - 4.4	9
	. Fiji	4.0	3,4 - 4,6	3
	Seychelles	4.0	3.5 - 4.2	3
59.	Cuba	3.8	2,3 - 4.7	4
	Thailand	3.8	3,5 - 4.1	13
	Trinidad and Tobago	3.8	3.3 - 4.5	6
62.	8elize	3.7	3.4 - 4.1	3
	Brazil	3.7	3.5 - 3.9	10
64.	Jamaica	3.6	3.4 - 3.8	6
65.	Ghana	3.5	3.2 - 4.0	8
	Mexico	3.5	3.3 - 3.7	10
	Panama	3.5	3.1 -4.1	7
	Peru	3.5	3.1 - 3.8	7
	Turkey	3.5	3.1 - 4.0	11
70.	8urkina Faso	3.4	2.7 - 3.9	. 3
	Croatia	3.4	3.2 - 3.7	7
	Egypt	3.4	3.0 - 3.9	9
	Lesotho	3.4	2.6 - 3.9	3
	Poland	3.4	3.0 - 3.9	11
	Saudi Arabia	3.4	2.7 - 4.1	5
	Syria	3.4	2.8 - 4.2	5
77.	Laos	3.3	2.1 - 4.4	3
78.	China	3.2	2.9 - 3.5	14
	Morocco	3.2	2.8 - 3.6	8
	Senegal	3.2	2.8 - 3.6	6
	Sri Lanka	3.2	2.7 - 3.6	7
-0.7	Suriname	3.2	2.2 - 3.6	3
83.	Lebanon	3.1	2.7 - 3.3	4
85.	Rwanda	3.1	2.1 - 4.1	3
63.	Dominican Republic	3.0	2.5 - 3.6	6
	Mongolia	3.0	2.4 - 3.6	4

	Romania	3.0	2.6 + 3.5	11
88.	Armenia	2.9	2.5 - 1.2	1
	Benin	2.9	2.1 - 4.0	′,
	Bosnia and Herzegovina	2.9	2.7 - 1.1	i,
	Gabon	2.9	2.1 - 3.6	Á
	India	2.9	2.7 - 3.1	11
	Iran	2.9	7.4 . 5.5	4
	Mali	2.9	2.4 . 46	74
	Moldova	2.9	2.5 - 5 /	4
	Tanzania	2.9	2.6 - 3.1	4
97.	Algeria	3.2	2.5 . 5 5	/
	Argentina	2.2	2.5 - 51	de
	Madagascar	2.2	19.37	1,
	Malawi	28	73.54	/
	Mczambique	2.8	24 - 31	1,
	Serbia and Monenegro	2.3	75 55	/
103.	Cambia	2.7	23 31	1
	Macadonia	27	24.37	1
	Swaziland	27	76 41	4
	Venen	51	78 19	4

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158. Bangladesh 1.7 1.4 - 2.0 7		Myanmar	1.8	1.7 - 2.0	4
		Turkmenistan	1.8	1.7 - 2.0	
Chad 1.7 1.3 - 2.1 6	158.	Bangladesh	1.7	1.4 - 2.0	
		Chad	1.7	1.3 - 2.1	6

Explanatory Notes: *CPI Score relates to perceptions of the degree of corruption as seen by business people and country analysts and ranges between 10 (highly clean) and 0 (highly corrupt).

From the ranking of India in the Corruption Perception Index, it is obvious that India is one of the more corrupt countries in the world. But then, India as a country suffers as a result of corruption. Corruption is antieconomic development, anti national and anti poor. The 1999 UNDP Report pointed

out that if India's corruption level comes down to that of the Scandinavian countries, the GDP will grow by 1.5% and FDI will increase by 12.5%. In the year 2001, the PHD Chamber of Commerce got a study made and it showed that if the corruption level comes down by the standard deviation of

^{**} Confidence range provides a range of possible values of the CPI score. This reflects how a country's score may vary, depending on measurement precision. Nominally, with 5 percent probability the score is above this range and with another 5 percent it is below. However, particularly when only few sources (n) are available an unbiased estimate of the mean coverage probability is lower than the nominal value of 90%.

^{***}Surveys used refers to the number of surveys that assessed a country's performance. 18 surveys and expert assessments were used and at least 3 were required for a country to be included in the CPI.

15%, then investment will increase by 300% and GDP will grow by 1.9%. A closer look at the cost of corruption so far as the common man is concemed, is brought out in a study made by the India chapter of the Transparency International and the Centre for Marketing and Media Studies in Delhi. The highlights of the 2005 studies are as follows:

The eleven public services covered in this study are: Police (Crime/Traffic), Judiciary (Lower Courts), Land Administration, Municipal Services, Government Hospitals, Electricity (Consumers), PDS (Ration Card/Supplies), Income Tax (Individual Assessees), Water Supply, Schools (upto 12th Std.) and Rural Financial Institutions (Farmers).

Rs. 21,069 crore in bribe .

According to the study, common citizens of the country pay a bribe of Rs.21,069 crore while availing one or more of the eleven public services in a year. As high as 62 per cent of citizens think that the corruption is not a hearsay, but they, in fact, have had firsthand experience of paying a bribe or "using a contact" to get a job done in a public office.

Three-fourths of citizens think that the level of corruption in public services has increased during the last one year (2004-2005). Hardly ten percent think that such corruption is on the decline. There are no significant differences among the States in the perceptions about the extent of corruption or in their experience with such corruption.

This study brings out that one-third to half of the compulsions leading to such petty corruption involving the common man could be addressed and also removed with simple initiatives, including introduction of technologies.

Corruption is not merely in the media or in the minds of people as it is sometimes made out, but it is in the system all across the public services, that is what this study high-

lights. And the users and providers of those public services know what needs to be done to address the problem which this study has brought out.

According to this study, relatively Police stands out high on the corruption score. Judiciary, Lower Courts and Land Administration are rated next. The corruption in Government Hospitals is mostly to do with non-availability of medicines, getting admission, consultations with doctors and availing of diagnostic services. Despite reforms, electricity services figure high on corruption score. PDS figures lower in the corruption score because the problem of common man dealing with services is more to do with leakages in the system rather than direct monetary corruption.

Going by the composite ranking of States on corruption involving common citizen and in the context of eleven Public Services, Kerala stands out as the least corrupt State in India. Bihar, on the other, is the most corrupt State. Jammu & Kashmir is next only to Bihar. In fact, perhaps not surprisingly, on all parameters and in the context of all the eleven Services, Bihar stands out far ahead as the most corrupt State. Himachal Pradesh in contrast comes out as being less corrupt when compared to States like Tamil Nadu, Maharashtra or Gujarat. Madhya Pradesh, Karnataka, Rajasthan and Assam, on the other hand, also are on the top of corruption scale.

An overwhelming majority of citizens are vocal about the absence of transparency and accountability in the delivery of these services. They are full of anguish and, at times, some are angry at the state of affairs. It is evident from the annual CMS surveys on corruption that the use of technology at the frontend of those offices is likely to bring down corruption with increase in transparency.

One-sixth of public think that citteen users of Government services themse are responsible for corruption. They belt that there is no active and sustained co

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society movement. The efforts are sporadic, localized and short-lived and have never acquired a character of a larger movement.

Users of various public services across the country in this study have named seven key factors that stand out as responsible for a widespread corruption in the system. These include-

- * Lack of transparency and accountability in the system
- * Lack of an effective corruption reporting mechanism
- * Lack of honesty in officials in the Government
- * Acceptance of 'Bribe' as a way of life, custom and culture
- * Ineffective anti-corruption institutions, including Police and judiciary
 - * Poor economic policies
- * Inadequate training and orientation of Government officials.

Not all states are equally corrupt. The study has also made a ranking of 20 states in India on the basis of corruption and this can be seen as follows.

State	Composite	Rank
	Score	
Kerala	240	1
Himachal Pradesh	301	2
Gujarat	417	3
Andhra Pradesh	421	4
Maharashtra	433	5
Chhattisgarh	445	6
Punjab	459	7
West Bengal	461	8
Orissa	475	9
Uttar Pradesh	491	10
Delhi	496	11
Tamil Nadu	509	12
Haryana	516	13
Jharkhand	520	14
Assam	542	15
Rajasthan	543	16
Karnataka	576	17

Bihar	695	20
J&K	655	19
MP	584	18

This brings us to the basic issue, Is it possible to make India corruption-free? As Central Vigilance Commissioner from September 3, 1998 to September 2, 2002, I faced with this problem day in and day out for four years. Based on my experience, I can argue that there is no need to lose hope, India can become a corruption-free country. The first point to realize is that there have been countries which had this problem like India in corruption, and have been able to turn around and tackle corruption effectively. Britain itself was a corrupt country and one prime minister William Gladstone between 1864 to 1892 became prime minister four times and during his tenure was able to introduce so many changes in law and the system that by the end of his tenure. Britain had become a less corrupt country. In our own life time we have seen Lee Quan Yew as prime minister for more than three decades in Singapore transforming that country as one of the cleanest in the corruption perception index today. Hong Kong was once notorious for corruption. In 1974, the Independent Commission against Corruption (ICAC) was set up and that organization has been able to bring a dramatic change in bringing down corruption in Hong Kong. When in 1997, Hong Kong merged with main land China, there was a fear that the level of corruption may be increased. But on the contrary the mainland Chinese government seems to be keen on learning from Hong Kong and trying to tackle the issue of corruption to maintain the phenomenal economic growth of China. In the Transparency International's Corruption Perception Index list, China emerges as less corrupt than India. Hence the first idea for us to internalize is that



corruption can be tackled. Other countries have done it.

The Vicious Cycle

The second point is to realize the dynamics of corruption and tackle the root causes. Corruption in India is the result of the vicious cycle starting with political corruption leading to bureaucratic corruption, business corruption, corruption in NGOs and finally the criminalization of politics. Corruption in India owes a lot to the fact that the democratic system we have adopted involves political parties collecting funds for election and other purposes. All political parties collect funds in cash. This is black money. Black money is the oxygen for corruption and corruption is oxygen for black money. Hence a political system which is dependent on black money can never take the initiative to fight corruption. It is the political corruption which lies at the starting point of the vicious cycle of corruption in our country. Bureaucratic corruption is a result of a number of factors. The permit licence rai for more than four decades after independence was a fine breeding ground for corruption and the root cause of corruption in the licence era were scarcity of goods and services, lack of transparency, the bureaucratic red tape and consequent need for speed money, the legal cushions of safety that has been created on the very healthy principle that every body is innocent till proved guilty which was only exploited by the corrupt and finally the tribalism among the corrupt. The business corruption flourish because in the permit licence raj, the only way of influencing the politicians and bureaucrats was by corrupt means. The recent phenomenon of the NGOs also shows that even this sector is not free from corruption. This all pervasive corruption has resulted in the loss of the legitimacy of the state institutions giving rise to criminalization in politics.

The recent directives of the Supreme

Court under which, candidates to elect have to declare their criminal backgrounds brought out the shocking fact that significant percentage of the members the legislature, may be around 20% have criminal cases framed against them in could law breakers become law makers, the companion is the antithesis of good of the countries is the antithesis of good of the countries is the antithesis of good of the countries is the antithesis of good of the countries is the antithesis of good of the countries is the antithesis of good of the countries is the antithesis of good of the countries.

Corruption is the antithesis of good g ernance. Good governance involves rule of law. Corruption corrodes the v process of rule of law and distorts it. In constitution there are three pillars for governance of the state. The legislat makes the law. The judiciary interprets law and the executive, which is both permanent bureaucracy as well as the pri minister, chief minister and the counci ministers execute the law. The very presen of law breakers in the legislature results i very peculiar situation in our country, wh laws which are ensured to check, for ample, the growth of the black money, not implemented at all. The 1988 Beni Transaction Prohibition Act still remain dead letter, because the rules for impleme ing it have not been framed even after years. Even when a law is passed for preve ing money laundering, the laws like Custo Act, Excise Act, Income Tax Act, the evas of which results in generation of black mo which leads to corruption are left out of schedule of the Act. As a result, the Prev tion of Money Laundering Act is an ineff tive Act. The Income Tax Act, Excise Act have got so many exemptions that t confer tremendous discretion on the auth ties / powers which are misused for corr tion. We can therefore think in terms of systematic approach to tackle the issue corruption by breaking the vicious cycle st ing with political corruption on to bure cratic corruption, business corruption criminalization of politics and so on.

For checking political corruption,

starting point should be the attack on black money and reform of the campaign funding laws. To reduce the element of black money, laws like the Benami Fransaction prohibition Act which were designed to check the use of black money must be vigorously implemented. The transaction laws like the income Tax, Customs, Exche should be made almost zero exemption laws so there is no question of exemption and the transparency element is enhanced. Fo prevent criminalization of politics, it is necessary to ensure that those candidates against whom criminal charges have been framed in court, where a legal application of the mind of the magistrate had taken place, should be prevented from contesting elections till they are cleared by the courts. Today, the delay in the legal system is exploited by the criminals to enter polltics to save themselves. The very delay in the judicial system needs to be tackled and made to work against the criminals. In politics. These measures will go a long way in reducing the scope of corruption at the political level. Another reason why corrupflou flourishes in our country is because our Judicial processes are very time-consuming and slow. The conviction rate in our crimianal courts is hardly 6%. Therefore, compotion has become a low risk, high profit business in hidla. To overcome this, the shaple method will be to have the time limit of maximum six months for contiption cases in the trial stage and in the appeal stage. Only one appeal must be allowed. Summary trial procedures must be adopted. As a result, criminal cases get their final decision within one year. This will go a long way in ensuring that the corrupt are punished quickly,

A Three-point Strategy

Bureaucratic comption can be tackled fi the following three point strategy is

adopted: (i) simplification of rules and procedures so that the scope of corruption is reduced, ft is the complicated rules which give tremendous powers to the bureaucracy in interpretation that is the root of infectifel. Simple rules can be the first step forward. The live point strategy in the industrial engineering of cilmination, combination, re-sequencing, substitution and modification can be adopted to all the rules In existence and this will go a long way in firfinging a systematic simplification of the entire set of rules. In fact, one problem we frave hi our country is the lack of the sunset clause in our laws, so that laws continue to be on the statute, book long after their relevance has passed. These broad measures should go a long way in cleaning up our system,

(ff) The second element of the three point strategy should be transparency and empowerment of the public, it is a very happy development that the current UPA government which came to power in 2004 has passed the Hight to Information Act. As Arma Itoy and other leaders like Anna ffazare, Dr. Jayaprakash Marain have pointed out, the very right to information can be a powerful tool for empowering citizens to ask questions and bring greater transparency in the system and sunshine is the best antidote for conjuntion. This comblied with widespread application of information technology can result in significant reduction of corruption, For histance, three significant cases of if application in India which have led to improvement are remarkable. First of course, is the two decade old computerization of the Italiway passenger reservation system. The second is the use of if in electionic voting machines. The third is the Mational Stock Exchange which emerged as the third biggest stock exchange in the world, after the New York Stock Exchange and NASDAQ,

ased on the satellite communication sysem. So IT applications and e-governance ill bring in greater transparency, easier ccess for citizens for their rights to infornation and in the way help in bringing own corruption.

(iii) The third important aspect is prompt ounishment of the quilty. In fact, as Central /igilance Commissioner I found that even after the CVC had given its recommendation after due enquiry, the disciplinary authorities were not taking action because. there way a delay in the system or there was a tendency to protect the corrupt. Once the matter was taken up directly with the authorities there was some improvement.

Sense of Values

After all, the level of corruption in any country depends on three factors. The first is the individual's sense of values. This is shaped by parents at home, the educational system, teachers, peers and religion. A value- based education system is available today only in institutions run by religlously inspired organizations like the Ramakrishna Mission, DAV schools or the Society of Jesus. The Government of Indía's adoption of the secular approach has resulted in the deemphasizing of the values in the education system and as a result perhaps contributed to the development of a cynical generation which believes in the philosophy of *get on, get honor and get honest".

The second factor that affects the level of corruption in any country is the social set of values. Over the years, in this country, corruption has become respectable. This is because of the all pervasive black money and the contribution to black money made by the respective professionals like those in the medical profession, legal profession and auditing and so on. Very few professionals declare their full income and so tax evasion and creation of black money has become respectable in our country.

The third factor is the system. In fact, in the preceding paragraph, I tried to highlight what specific steps could be taken so far as the system is concerned to tackle political corruption and bureaucratic corruption. Tackling these two will go a long way in cleaning up the other sectors involved in corruption like criminals, business as well as NGOs.

In fact, I would like to end this on an optimistic note. The Supreme Court has forced the candidates to declare their criminal background, educational qualification and wealth details and this is the first step to bring in greater transparency in the political system and allow citizens empower ered by knowing the correct facts about their representatives. The Right to Information Act is another good step taken and this combined with the initiative for e-governance should go a long way in improving transparency in our system and empowering the people. The increasing presence of the youth in the country and the nsing levels of education should help in what strip building a corruption free India in the years to come and in achieving this god, as we have adopted a democratic system, whose practise the advice of the eternal Tallamya Upanishad.

Let us come together, Let us erycy to gether. Let our strengths states together Let us move from districted to organize or as avold the twin danger of the popular of misunderstanding and harris Translay exists real progress.

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Gooding and Calling



Dr. M. A. Varghese Newcastle, U.K.

homas Malthus was an English economist who lived during the period 1766-1834. In his essay on population and its effects on society he put forward the theory that population growth will always outrun the food supply and that betterment of mankind is impossible without control of reproduction. Malthusian theory persuaded later economists and planners to promote family planning and contraception. Today in spite of population growth all developed countries are self sufficient and most developing countries are basically self-sufficient in food supply. If Malthus lived in present century he would have modified his theory that health care and social security costs rather than food supply as the prionty for any developed nation.

Life Expectancy

Life expectancy at birth is the average number of years a person may live according to the mortality patterns prevalent in a country. It is one of the best indicators of a country's level of development and overall health status of the population. Malthus lived at a time when the average life expectancy at birth was about 40 years in England compared to 77.5 years today. Malthus was lucky enough to have lived 68 years in the pre-antibiotic era. Today, in the 21st century, thanks to the advancements in prevention, diagnosis and treatment life expectancy has improved both in developed and developing countries. Now with the advent of the new genetic knowledge average life expectancy is predicted to be around 90 years at least in the wealthier nations.

Twentieth century has seen some of the greatest advances in science and medicine. Antibiotics, insulin, vaccines, transplant medicine, renal medicine, scanning technology, cardiovascular medicine and cancer treatment are some of them. Increased life expectancy due to these advances in medicines has resulted in a large elderly population living with chronic diseases or disabilities. This has great social, political and economic consequences. In a welfare state the government has a duty to look after its citizens from cradle to grave. Apart from the cost of expensive medicines and treatment for chronic diseases, the cost of social services, social security and old age pension is also to be considered in the context of economics and health.

The idea of "Welfare State" means different things in different countries. In the ideal model the state accepts responsibility for the provision of comprehensive and universal welfare for its citizens. This includes: Social services, Social security, Health care and Old age pension.

In Europe, Germany was the first country to start a social security under its first chancellor Otto Bismarck in 1879. Inspired by the social changes in Germany Lloyd George, prime minister of Britain from 1916 to 1922 laid the foundation of British welfare state by starting health and unemployment insurance through national insurance act. But the architect of the post World War II welfare state of Britain is William Beveridge. Beveridge was an economist and civil servant and his comprehensive report to the then government was

olue print for the modern welfare state. onal Health Service is considered to be the in the crown of British welfare state and ounded by the then Labour health min-Aneurin Bevan in 1948.

sh Welfare System

llowing is a brief account of the British are state. The system is funded by taxaand national insurance. The basic rate x in UK is 22% and higher rate is 40%. ldition there is compulsory National innce contribution for both and employnd employees. Also there is a local govnent tax known as council tax and is delent on the size of the house. About 50% ie national budget is spent on health, I security and local government services. itish health care system is based on the ly doctor principle. Every citizen in UK to be registered under a family doctor rwise called as General Medical Practier. Average list size of general practitio-5 2000 patients in England. General pracner is the team leader for the primary care 1. Other members of the team are health ors, midwives, district nurses, community hiatric nurses and practise nurses. Genpractitioners practice from small clinics urpose built health centers. The average eral practitioner sees about 30 patients day. In addition there is house visits for elderly and house bound patients. Conrable time is spent on prevention and a eral Practitioner's remuneration is based st size and attainment of certain targets hronic diseases like diabetes, heart dis-, asthma and stroke. Hospitals provide ialist services for patients referred by the eral Practitioners. There is no direct acto specialist services with the exception cident and emergency services and Sexu-Transmitted Diseases. Average waiting to see a specialist is 2-3 months with exception of suspected cancer, heart disease and certain conditions marked as urgent by General Practitioner. One negative aspect of the British system is the long waiting time to see a specialist and the longer waiting time for routine surgical procedures. In spite of these problems the British system is unique in that every citizen in UK, whether rich or poor, is provided with free medical care based on the clinical need rather than the ability to pay for the service. Though Britain is a capitalistic society one can say that there is socialism in medical care. Private medical care is very rare in UK and is used mainly for less urgent surgical procedures with long waiting lists. In general the vast majority of the population relies on the National Health Service. Unlike countries with private insurance system with provision of care in private hospitals there is no element of commercialization of health care in NHS.

Another aspect of welfare state is social security system giving financial help for unemployed in the form of job seekers allowance, housing benefit, sickness benefit, child benefit, maternity benefit, disability benefit and attendance allowance. People on state benefits, children, elderly and the unemployed are eligible for free prescriptions for any illness. While the health care and social security are under the central government social services are under local government also called county council or district council. School, social service, fire service, ambulance, police, environmental health, housing for the poor and facilities for recreation are some of the functions of the local governments cial services provide services for the elderly, children at risk, young disabled and the mentally ill. All developed countries have higher elderly population living with multiple disabilities. It is the duty of the social services to make sure that their needs are met. Many elderly people live alone with the help of carers from social services Residential and nursing homes look after the very old who are unfit to live

alone. Though most of the care homes are now private, social services pay for the poor elderly who cannot afford to pay. Some aspects of the services for the elderly like home help, meals on wheels (delivery of mid-day meal) and care homes are means tested.

In UK state pension age for men is 65 years and 60 years for women. State pension is very basic and hence additional pensions in the form of occupational pension and private pensions are essential for a comfortable retirement. Self-invested personal pension scheme or SIPPS is the latest private pension scheme introduced by the government to encourage the public to save for the retirement.

Wealth of a nation is dependant on the industrial output of the country. Doctors and nurses who work in the industrialized countries are familiar with the industrial diseases like pneumoconiosis, asbestosis, certain types of cancers, deafness, asthma, chronic bronchitis, dermatitis and stress related illness. In the 21st century there are preventive measures to deal with these problems and also compensation for those who develop these illnesses. But in the 19th and early 20th century the conditions in the factories and mines were dangerous and unhealthy. The Socialist movement was very active in Europe during that period. The policymakers of Western Europe were very keen to prevent a Marxist revolution as in Eastern Europe and hence the birth of the welfare state. In the present century all the developed nations have varying level of welfare systems. In general countries in the Westem Europe have a more comprehensive level of welfare programmes than USA. In the USA health care is funded by private insurance which is usually done by employers. It is estimated that there are about 46 million people without any form of insurance. These are people with the lowest income and people with chronic diseases for whom private health insurance is unaffor-dable. There are state funded health care programmes for these people and also charitable health care but the standard of care is not ideal and varies between the states.

Regulatory Bodies

One notable feature of any developed country is the regulatory bodies and systems to protect the public from wrong treatment by incompetent and unethical doctors. In UK the newly qualified doctor has to undergo a minimum of four years training before practicing as a GP and specialist training being much longer. Lifelong learning and annual appraisal is a requirement now and five yearly revalidation is going to be mandatory for all practising doctors in UK. National Institute of Clinical Excellence provides guidance and information on evidence based medicine and it is free for all doctors. Clinical governance is a new word in British medicine and it aims to achieve the highest standards in medical practice. Complaints procedure and medical indemnity insurance are other aspects which protect the public from wrong treatment or medical negligence.

Chronic diseases like stroke, cancer, kidney disease, heart disease and AIDs are a financial burden for the developed and developing countries. In addition there is a rising elderly population who needs medical and social care. At present there are no ideal solutions to the problems. There are many expensive drugs for chronic diseases with the possibility of prolonging life or even "CURE" in some condi-In developed countries with private health care system the insurance premium goes up if a person develops a chronic disease or the person becomes uninsurable in some cases. In health care system funded by taxation, increased taxation remains the only option to provide a comprehensive level of cover. The state of affairs in developing countries is no companson to the developed countries. Though there are free government funded health services in many poor countries the facilities are very basic and cannot provide high standard of care as in developed countries. India has made great progress in health care over the last 20 years mainly in the private sector. Though the public spending in health care in India is among the lowest in the world India is in the top league for private spending, among the top 20 countries in the world. This has encouraged medical tourism from wealthier countries including UK and USA. Unfortu-

nately high quality health care is unaffordable

for the local population and the average person is not covered by private insurance and hence ordinary people have to sell their assets to get treatment if they develop life threatening illness. The concept of welfare state remains a dream for most developing countries. Probably the world needs more Bill Gates models of charity to save the developing countries and the poorer section of the developed countries.

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Dr. B.A. Prakash

Head, Department of Economics, University of Kerala

rince the mid 1970s a large number of Indian workers have migrated to the West Asian countries for employment. The migration which started with a few thousands per year during the mid 1970s assumed large proportions during 1980s and 1990s. The Report on High Level Committee has estimated the total Indian migrants in the Gulf countries viz. Bahrain, Kuwait, Libya, Oman, Qatar, Saudi Arabia, UAE and others as 30 lakh in 1999. According to the committee, Saudi Arabia had the largest number of Indian migrants (12 lakh) in the Gulf region. Migration to the West Asian countries is crucial because India is receiving a large amount of workers' remittances every year.

Categories of Migrants

Different categories of people migrate for different purposes. Migrants are classified into the categories such as foreigners admitted for special purposes; settlers; migrant workers, economic migrants and asylum migrants. The foreigners admitted for spe-

cial purposes are foreign students, foreign trainees and foreign retirees. Settlers are persons who are granted the right to stay indefinitely in the territory of a country other than their own and to enjoy the same social and economic rights as those of the citizens of that country. Migrant workers are persons admitted by a country other than their own for the explicit purpose of carrying out an economic activity. The category of migrant workers includes seasonal migrant workers, project-tide migrant workers, contract migrant workers, temporary migrant workers, established migrant workers and highly skilled migrant workers. A unique characteristic of migration to Gulf is contract type.

Contract migration occurs when a worker is officially granted permission to enter another country and take up employment in a given job and where a contract is entered into on his behalf or between him and the employer or enterprise for which he is to work. Contract itself takes several forms like individual contract and collective contract. In contract migration, return is an essential

part of the migration process. Here the workers are hired for contractual jobs for a definite time period and expected to return after the explry of the period. Usually during the period of stay abroad they leave their families behind in their home country. In order to support their family, the emigrants send remittances on a regular basis. The economic impact of contract migration will be substantial on the domestic economics of the labour exporting countries compared to the settlement type of migration.

Labour Market situation in the Gulf countries

The discovery of vast resources of oil and their exploitation since the late 1960s is the basic and driving force that has been responsible for the phenomenal changes that have taken place in most of these countries In the last four decades. Saudi Arabia, for Instance, is credited with having 25% of the proven all reserves of the world. Most of the other Gulf states have enough oil resources to keep their relatively small economies on the path to prosperity. The rise in oil prices in 1973 led to a very rapid increase in the revenues accruing to the oil producing countries of the Gulf. This accelerated a process of Industrialization and social change in these countries characterised by massive investment in social and economic infrastructure necessitating the services of large number of foreign workers.

The entire region is sparsely populated, Saudi Arabia and Iraq being the onfy Gulf countries with relatively large populations of almost 22 and 23 million, respectively. As for the others, the corresponding figures range from barely half a million to about two and a half. Consequently, these countries expetienced an acute shortage of workers. This shortage is all the more endemic in the case of professionals like highly qualified doctors to man their well-equipped hospitals, as well

as engineers, architects, chartered accountants, bankers etc. There is also a tremendous dearth in these countries of highly skilled and even semi-skilled and unskilled workers. Such personnel are essential for the construction of the new housing, commercial and industrial structures and for the implementation of numerous other infrastructure schemes. To meet these demographic and skills shortages, the region has had to import hundreds of thousands of personnel from many other countries.

As the Arab nationals prefer employment in well-paid government positions, they have ensured that they would have the assistance of qualified foreign technicians and experts to perform the risks that they themselves ought to be doing. There is reluctance on the part of most citizens in the Gulf to undertake.any semi-skilled, unskilled or menial jobs and a huge foreign workforce has had to be recruited to develop infrastructure and other development projects. There are no celling for the recruitment of domestic help such as housemaids, gardeners, cooks, bearers and such other personnel, in fact, there has been an unfortunate mismatch between the large scale unemployment of such workers in their home countries and the enormous demand for them in the Gulf. The result has been a tendency on the part of employers in some of the countries of the region to treat their domestic help with scant regard for their welfare.

The highly paid professionals are also usually fortunate enough to be permitted to take their families with them to the Gulf as their monthly emoluments are more than the variously prescribed minimum. On the other hand, the low paid categories of workers are not allowed to bring their families with them. The low paid workers particularly those who are semi-skilled or unskilled, are accommodated in crowded labour camps

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nall rooms with four to eight bunker i. The facilities provided to them such as ts and kitchens are inadequate and unfactory. Generally, the living conditions amenities provided by the large corporasare better than the facilities extended by Il companies and individual employers. oreign nationals are not permitted to any business or immovable property in Gulf countries. They are required to ce a local citizen or entity a majority even eping partner in their enterprises. With type of an arrangement they were able romote investment, production and gention of new wealth, Citizenship is almost versally not granted by the Gulf countries oreign nationals. Hereditary monarchial imes have traditionally administered all Gulf countries. Even though some of m may have features such as an elected islature or an Advisory Council, the ex-

ends in Indian Emigration to the Gulf We do not have accurate data relating to nual outflows or return flows of Indian our and stocks of Indian emigrants in ferent foreign countries. The basic source statistics about labour outflows is the data ovided by the Protector General of Emi-

itive and legislative powers invariably vest

the hereditary monarch in each of them.

ants (PGE) in the Ministry of Labour of the vernment of India. In the absence of wellgulated rules and procedures for recruitent, we find the statistics on emigration earance and employment abroad and the nual outflows for the period till 1983, iite unreliable. After the implementation the Emigration Act 1983, the collection of atistics on migrant flows became more

stematic. But the exclusion of a number of tegories of emigrants due to exemption ven under Emigration Check Not Required CNR) has resulted in the partial coverage the labour outflows. The workers who require emigration clearance are mostly farm workers, but include unskilled, low skilled and semi-skilled categories of workers also. The categories of persons exempted from emigration clearance are educated, trained, gazetted government servants, income tax payers, professional degree holders, persons who had stayed abroad for more than three years and professionals such as supervisors and skilled workers. Owing to these reasons, the data on the labour outflows give only a partial account of the emigrants from India.

Based on data of the annual outflows of labour from India between 1984 and 1999, we divide the period into three phases. The first phase covers the period between 1984 and 1991, which witnessed an annual volume of emigration ranging between 1.14 lakh and 2.06 lakh. The second phase is the first half of the 1990s (1992-1997) when the annual outflow of labour was more than 4 lakh. The third phase started since 1998 when a fall began in the annual volume of emigration (Table 1).

Table 1: Number of Workers Granted Emigration Clearance India

Year	Number of	Growth (%)
	workers	
	(in lakh)	
1984	2.06	•
1985	1.63	-20.87
1986	1.14	-30.06
1987	1.25	9.65
1988	1.70	36.00
1989	1.26	-25.88
1990	1.44	14.29
1991	2.02	40.28
1992	4.17	106.44
1993	4.38	5,04
1994	4.25	-3.06
1995	4.15	-2.41
1996	4.14	-0.24
1997	4.16	0.48

1998	3.55	-14.66
1999	1.99	-43.94
2000	2.43	22.11
2001	2.78	14.40
2002	3.68	32.37

Source: Various Annual Reports of Ministry of Labour, Govt. of India

The major reasons for the sharp decline in Indian migration since 1998 to the Gulf may be attributed to the drastic changes in the immigration policies of the host countries, aimed at reducing the inflows of foreign workers, the recession in the Gulf economies and the saturation of labour markets of the unskilled and semi-skilled categories. These countries began to follow a policy of replacing many categories of foreign workers with their native workforce. They introduced, what is known as a demographic balance policy, a policy of not allowing foreign workers of any single country to dominate the mlgrant workforce in a given destination country.

Destination

The important destinations of Indian migrants to West Asia during the 1980s were Saudi Arabia, United Arab Emirates (U.A.E.), Oman and Bahrain. Table 2 gives the number of workers granted emigration clearance by destination. By 1990s, Saudi Arabia became the destination of majority of Indian emigrants. The destination of nearly one-fourth of Indian emigrants was Oman dur-

ing the year 1990. During 1990s a substantial change was visible in the directions of the flow of emigrants to West Asia. During the late 1990s the annual flow of unskilled and semi-skilled categories registered a decline in Saudi Arabia, U.A.E., Oman and Bahrain. On the other hand, there has been an increase in annual flow of unskilled and semi-skilled workers to Kuwait. But the available data suggest that there has been a spurt in annual flow of the unskilled and semi-skilled categories in the year 2002 compared to the previous years.

The major categories of workers who migrated include unskilled and skilled construction workers and other skilled workers. The skilled construction workers comprised categories such as carpenter, electrician, fitter, foreman, mason, painter, plumber, welder, surveyor, and supervisor. The other skilled workers include cook, driver, mechanic, machine operator, and tailor. The rest included engineers and technicians, paramedical staff and office staff.

A state wise break up of the number of workers granted emigration clearance shows that Kerala, Tamil Nadu, Andhra Pradesh, Maharashtra, Rajasthan and Punjab are the States from where large number of persons has migrated to the Gulf. Table 3 gives the statewise distribution of number of workers granted emigration clearance between 1995 and 2002.

	Table 2:	Number o	of Workers	Granted E	migration	Clearance	a hy Docti	nation	
Country	1990	1995	1996	1997	1998		2000	2001	2002
8ahrain	6,782	11,235	16,647	17,944	16,997	14,905	15,909	16,382	20,807
Kuwait	1,077	14,439	14,580	13,170	22,462	19,149	31,082	39,751	4,859
Oman	34,267	22,338	30,113	29,994	20,774	16,101	25,155	30,985	41,209
Saudi Arabia		2,56,782	2,14,068	2,14,420	1,05,239	27,160	59,722	78,048	99,453
U.A.E.	11,962	79,674	1,12,644	1,10,945	1,34,740	79,269	55,099	53,673	95,034
Others	10,004	30,866		29,951	54,952			5,98,25	1,06,301
Total	1,43,565	4,15,334	4,14,214	4,16,424	3,55,164	1,99,552	2,43,182	2,78,664	3,67,663

Source: Various Annual Reports of Ministry of Labour, Govt. of India

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ble 3: Number of Workers Granted Emigration Clearances b	い れんついっと くもつたひと
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DIC	ole J. Hamber of Homers Granta Lings							
	1995	1996	1997	1998	1999	2000	2001	2002
-	30,284	29,995	38,278	30,599	18,983	29,999	37,331	38,417
1	33,496	33,761	40,396	11,535	5,287	10,927	10,095	14,061
1	1,65,629	1,67,325	1.56,102	91,720	60,445	69,630	61,548	81,950
a	26,312	25,214	25,146	24,657	9,871	13,346	22,713	25,477
۳ ا	11,852	11,751	₹ 12,414	26,876	15,167	10,025	12,422	19,638
	28,374	18,221	28,242	19,824	9,809	10,170	14,993	23,254
	65,737	64,991	63,672	69,793	47,402	63,878	61,649	79,165
	53,650	62,956	52,174	80,160	32,588	35,207	57,913	85,701
_	33,000	02,550						
	4,15,334	4,14,214	4,16,424	3,55,164	1,99,552	2,43,182	2,78,664	3,67,663

rious Annual Reports of Ministry of Labour, Govt. of India

ndians in the Gulf

ling to an estimate of the High mmittee on Indian Diaspora, the of Indian migrants increased from in 1979 to 15.05 lakh in 1991

and to 30 lakh in 1999. According to this committee Saudi Arabia, U.A.E., Oman, Kuwait and Bahrain are the major destinations of Indian migrants in Gulf region (Table 4).

Table 4: Estimates of Indian Migrants in the Gulf Region 1979-1999

	1979	1983	1991	1999
	26,000	30,000	1,00,000	1,50,000
	20.000	50,000	N.A.	N.A.
	65,000	1,15,000	88,000	2,00,000
	10,000	40,000	12,000	20,000
	60,000 ·	1,00,000	2,20,000	4,50,000
	30,000	40,000	75,000	1,00,000
oia	1,00,000	2,70,000	6,00,000	12,00,000
	1,52,000	2,50,000	4,00,000	7,50,000
	68,000	21,000	10,000	1,30,000
	5,31,000	9,16,000	15,05,000	30,00,000

OI, 2002, Report of the High Level Committee on the Indian Diaspora

g the last three decades, there had uch change in the destination of migrants in the Gulf region. During 0s, U.A.E. was the major destination n migration. But during the subsedecades Saudi Arabia became the I destination. On the other hand,

there had been a decline in the Indian migration to Iraq and Libya during 1990s. According to the Committee 40 percent of the stock of Indian emigrants in the Gulf region was in Saudi Arabia, while the share of U.A.E. and Oman were 25 and 15 percent respectively (Table 5).

ble 5: Estimates of Indian Migrants in the Gulf Region 1979-1999 (Percentage)

1979	1983	1991	1999	0.4]	j		
4.89	3.27	6.64	5.00	Qatar	5.65	4.37		3 33
3.76	5.46	N.A	N.A	Saudi Arabia	18.83	29.47	39.27	40.00
12.24	12.55	5.85	6.66	U.A.E.	28. <i>6</i> 2	27.29	26.53	25.00
1.90	4.37	0.79	0.66	Others	12.80	2.29,	C. 55	4.36
11.30	10.92	14.62	15.00	Total	100.00	100.00	20.00	730.30

According to the Committee more than half of the total stock of Indian migrants in the Gulf region belong to Kerala. The remaining persons have mostly been from Andhra Pradesh, Goa, Karnataka and Tamil Nadu.

The Committee estimates that non Resi-

dent Indian Citizens (NRIs) account for 7 percent of the total population in Saudi Arabia. On the other hand, NRIs account for 32 percent of the total population of U.A.E., 13 percent of Kuwait, 15 percent of Oman, 20 percent of Bahrain and 24 percent of Qatar (Table (6).

Table 6: Percentage of NRIs in the Total Population of Main Arab Countries in Year 2000

Country	Population	No. of .	Percen
		NRIs	tage of
			Popula
			tion
S. Arabia	2,15,00,000	15,00,000	7
U.A.E.	28,00,000	9,00,000	· 32
Kuwait	22,00,000	2,87,600	13
Oman	22,00,000	3,40,000	15
Bahrain	6,43,000	1,30,000	20
Qatar	5,25,000	1,25,000	24

Source: GOI, 2002, Report of the High Level Committee on the Indian Diaspora

Current problems of NRIs in the Gulf countries

Of the total Indian migrants in the Gulf, majority of them are semi-skilled and unskilled workers getting lower wages. Most of them are denied the non-wage benefits entitled as per law. The High Level Committee estimates that of the total migrants 70 percent are semi-skilled and unskilled workers. And the white-collar workers was about 20 percent and professionals 10 percent.

The professional Indians and some of the white-collar workers are the only ones who qualify to have their families with them due to the high basic income norms set by the Gulf governments. To enjoy such a privilege in the U.A.E, for instance, the monthly earnings of an NRI must be not less than 4,000 Dirhams (about Rs. 48,000) or Dirhams 3,000 plus accommodation. In Kuwait, the qualifying minimum is even higher namely Kuwait Dinars 400 or Rs. 56,000 per month. Because of high ceiling on earnings, more than 80 percent of the Indian emigrants are not

allowed to bring their family members with them.

The living and working conditions of the unskilled and semi-skilled Indian workers in the Gulf leave much to be desired. A majority of these NRIs are young males. Over 60% of them have had little formal education. On arrival in their country of destination in the Gulf, they are usually fed and housed in barrack like tenements and engaged as labour on construction projects.

There are many unfortunate cases of recruiting agents duping illiterate job seekers, often in collusion with the prospective employers. As per prevalent practice, the employee is required to hand over his travel document to the employer on his arrival. The document is kept in the custody of the employer. Enabling him to exercise undue hold over the employee and to ignore or alter the terms of the employment.

The other current problems faced by the migrants in the Gulf countries are the following. (1) Non-compliance labour contract by

the employer after arrival. Denial of job, wages, non wage benefits as per the original abour contract. In many cases, forcing the killed workers to do unskilled jobs with low wages. (2) Creating much hardships to the new migrants by the employers by not receiving them on arrival at airport after sponsoring visas. (3) Salaries are often not paid when due; sometimes not paid at all for several months towards the end of the contractual period, resulting in non receipt of salaries for the work done. (4) Practice of deducting the wok permit fees from their meagre salaries.

(5) Forcing them to work long hours than the recognized 8 hours per day. (6) Non-payment of legitimate overtime dues. (7) Poor and unsatisfactory transportation arrangements for labourers from their camps to their worksites.

(8) Lack or inadequate medical facilities to the workers. (9) Non-payment of Airfare for return journey to India after two years as per labour rules. (10) Inaccessible labour courts for ordinary migrants who want to settle labour disputes. The mandate of the labour courts appears to be restrictive and it does not cover domestic help. (11) Ill-treatment and molestation of Indian women who were recruited as cooks or housemaids by the employers or agents sending them under false pretenses. Out of a total of 294,000 NRIs in Kuwait, about 113,000 of them are domestic servants and of them, about 49,000 are housemaids. (12). Severe stress leading to serious psychological problems and suicides. Concern for their families left behind in India, difficult living and working conditions, insecurity of jobs has often led to depression and melancholia, resulting in suicide in extreme cases. Shepherds and agricultural workers have to work in remote areas with minimal or no contact with the outside world. (13) Workers who

want to return to India on completion of their contracts, or due to an unforeseen emergency like sickness or death in the family often find that exit formalities are inordinately delayed (14) The usual practice in Gulf countries is to deposit the passport of the migrants with the employer. And employer refuses to give the passport to the worker when he wants it, thus creating much hardships. In some cases, when he changes the employer without his consent the worker becomes an illegal migrant.

More than 30 lakh NRIs are there in the Gulf countries. Of them nearly half are from the Kerala state. Though, there has been decline in the trend in migration during the late nineties the situation has changed since 2001. Of the total Indians in the Gulf, 70 percentage are semi-skilled and unskilled workers, 20 percent white-collar workers and 10 percent professionals. As majority of the Indian emigrants are semi-skilled and unskilled they receive low wages and face a host of problems. The lack of an effective labour dispute redressal system in the Gulf creates serious hardships to the Indian migrants. The majority of the Indian migrant workers also face a number of severe problems connected with their work and stay in the Gulf countries.

More Villionaires

The number of people globally with, over \$ 1 million assets rose by 6.5% in 2005 to touch 8.7 million, according to Merrill Lynch. South Korea witnessed the highest growth of 21.3% in the number of high net worth individuals. India was second with a 19.3% growth. The number of millionaires stood at 2.4 m. in Asia Pacific, 2.8 m. in Europe and 2.9 m. in North America.

गिपान्नाम्

The introduction of the New Industrial Policy of deregulation, delicencing and disinvestment has opened a new environment in the country. A significant number of industries in the public sector are now thriving alongside many industries in the private sector. Often Foreign Direct Investors are setting new trends on a competitive playing field. The overall growth in the General Index during 2002-03 has been 5.8%.

Steel

India is the 9th largest steel producing country in the world. The annual growth rate of crude steel production in 2002-03 was 8% and in 2003-04, 6%. The apparent consumption of the finished steel was 30.265 m tonnes in 2003-04. India also annually imports 1.5m tonnes of steel. During 2003-04 India exported 5.3 million tonnes of steel in the form of plates, bars and rods, rolled coils, colour coated sheets, pig iron, sponge iron, GP/GC sheets, etc.

India has once again emerged as the largest producer of sponge iron in the world for the calendar year 2004-05 with a record production of 8.085 million tonnes, showing a significant growth of 17.5%.

Textiles

The textile's strong presence in the Indian economy adds up to 14% to the industrial production and about 4% to the GDP. It together with allied agricultural sector will provide employment to over 91 million people by the end of 2007.

The handloom sector constitutes 14% of the total cloths produced. The production of

the handloom fabrics has registered a 10 fold increase from a mere 500 m sq. metres in 1950s to 5524 million sq. metres in 2002-03. The contribution of the powerloom sector is to the extent of 62%. Cotton accounts for more than 75% of the total fibre consumption in the spinning mills and more than 56% of the total fibre consumption in the textile sector. India tops in production of raw jute and jute goods and second in export of jute goods. About 4 million farmers are engaged in the cultivation of jute and mesta and about 2.61 lakh workers employed in the jute industry.

India is the second largest producer of raw silk. The Industry employs 54 lakh persons. The raw silk production in 2004-05 was 15,785 MT. There are five varieties of silk and India is the only country in the world which produces all the 5 commercial varieties, namely, Mulberry, Tropical Tasar, Oak Tasar, Eri and Muga.

Indian handicrafts have a wide rangethings made up of bamboo, cotton, silk, jute, cane, metals, glass-work, and much more. Exports of handicrafts including handknotted carpets were of the order of Rs. 15255.90 crore during 2004-05 representing 19.51% over the previous year.

Cement

Cement is one of the most advanced industries in the country. As on 30 April, 2005, there were 128 large cement plants with an installed capacity of 144.98 million tonnes per annum. There are more than 300 small cement plants with an estimated capacity of 11.10 million tonnes per annum.

The production during 2004-05 was 131.56 million tonnes with a growth rate of 6.52%. In 2004-05, India exported 10.06 million tonnes (prov.)

Leather

The small scale, cottage and artisan sector account for over 75% of the total leather production. India, in this sector, has big advantage in terms of cheap raw material and skilled manpower. Besides most of the people employed in this industry are predominantly from minority communities and disadvantaged sections of the society. About 30% of the work force employed here constitute women. In 2004-05, India exported leather worth Rs. 9,749 crore.

Fertilisers

India is the third largest producer of nitrogenous fertilisers in the world. There are 57 fertiliser units manufacturing a wide range of nitrogenous and complex fertilisers, including 29 units producing urea and nine units producing ammonium sulphate as by-product.

The production capacity of nitrogen has increased from a modest 85,000 tonnes in 1951-52 to 120.31 lakh tonnes in terms of nitrogen. The production target for 2005-06 has been fixed at 118.07 lakh tonnes of nitrogen and 47.02 lakh tonnes of phosphate.

Paper and Newsprint

In 2003, there was an installed capacity for nearly 6.2 million tonnes of paper and paperboard and about 1.24 m tonnes of newsprint. The Indian industry is ranked 15th among the world top ranking paper industries. The industry is fragmented with installed capacity ranging from two tonnes to 600 tonnes. Its turnover is about Rs. 16,000 crore, employing nearly three lakh people directly and 10 lakh people indi-

rectly. The per capita consumption of paper in India is still 5.5kg. The world average per capita consumption is 50kg.

Small and Medium Enterprises

As per the Third All India Census of SSIs (Registered and Unregistered units) held for the year 2001-02, there were 105.21 lakh SSI units in the country, out of which 13.75 lakh were registered working units and 91.46 lakh unregistered units. Their contribution to production was Rs. 2,82,270 crore and to employment at 249.09 lakh persons. It is estimated that during 2004-05, the number of SSI units has increased to 118.59 lakh from 113.95 lakh in the previous year registering a growth of 4.7 per cent. The value of production at current prices by the SSI units also increased by 13.95 per cent to 4,07,630 crore from Rs. 3,57,733 crore during 2003-04

FMCG Industry

THE Rs. 41,000-crore Indian Fast Moving Consumer Goods (FMCG) industry appears to be fatigued, after robust growth in the early 1990s. Growth rates in the larger categories such as soaps, detergents and toothpastes, which already reach out to the bulk of Indian consumers, have been declining since 2000. The challenges of the slowdown have brought some tangible benefits to the consumer as also to the industry. They are: consumers now drive a better bargain with lower prices and freebies; cost structure and pricing is crucial; and competitive marketing strategies offer better value to its consumers.

The slow down, accompanied by significant changes in the business environment over past few years, has led to significant upheavals within the FMCG industry. It has not only weakened the dominance of the larne MNCs operating in the Indian FMCG and challenged their pricing power but the ened the basket of choices for consume.

Planding

Planning is the key to development for a developing country. For a mixed economy like India where both Public sector and Private sector exist alongside in the nation building process, the aim of the planning process is to offer quality of life to its citizens. In a welfare state equal opportunity in terms of education and employment, equitable distribution of wealth, health and social security are crucial.

To that end, in India we have the Planning Commission (constituted in March 1950), National Planning Council (established in 1965), and National Development Council.

The Five Year Plans are drawn by the Planning Commission. Besides there have been three Annual Plans - (a) 1966-67 to 1968-69 (Plan holiday during War with China and Paklstan); (b) 1978-79 to 1979-80 (during Janata Government); and 1990-91 to 1991-92 (to bring about maximum employ-

ment and social transformation).

Highlights of 10th Plan

· Doubling of Percapita Income in 10 years · Achieving growth rate of 8% of GDP per annum • Reduction of poverty from 26 to 21% by 2007 • Decadal population growth to be reduced from 21.3% (1991-2001) to 16.2% in 2001-2011 . Growth in gainful employment to keep pace with the addition to labour force. • All children to be in school and 5 years schooling by 2007 • Reduce gender gaps in . literacy and wage rates by 50% • Literacy Rate to be increased from 65% to 75% by 2007 • Providing potable drinking water in all villages Infant Mortality Rate to be reduced from 72 (1999-00) to 45 in 2007 • Maternal mortality ratio to be reduced from 4 (1999-00) to 2 in 2007 • Increase in forest/tree cover from 19% (1999-00) to 25% in 2007 • Cleaning of major polluted river stretches.

5-year Plan	Perlod		Outlays		Total
		Centre	States	UTs	
1. First Plan	1951-56	1241.00	828.00		2069.00
Second Plan	1956-61	2559.12	2240.88	-	4800.00
3. Third Plan	1961-66	3600.00	3725.00	175.00	7500.00
Fourth Plan	1969-74	8870.00	6606.47	425.00	15902.16
5. Fifth Plan	1974-79	19954.10	18265.08	634.06	38853.24
Sixth Plan	1980-85	47250.00	48600.00	1650.00	97500.00
Seventh Plan	1985-90	95534.00	80698.00	3768.00	180000.00
Eighth Plan	1992-97	247865.00	179985.00	6250.00	434100.00
Ninth Plan	1997-2002	489361.00	369839.00	•	859200.00
Tenth Plan	2002-07				

Note: First Plan total outlay is the 1952 Original Plan Provision; The Filth Plan total outlay excludes Rs. 450 00 crores for Hill and Tribal Areas; Outlays are at prices at baseyear of Plan; *The State Outlay for Ninth Plan includes the figures for UTs.

Tenth Five-yearPlan (2002-07) was approved by National Development Council on 21 Dec 2002.

The largest share (about 96 per cent) in the total geological resources is accounted by Cuttak district in Orissa Deposits of economic significance occur in Orissa, Kamataka, Maharashtra, Jharkhand, Madhya Pradesh, Chhattisgarh, Tamil Nadu and Manipur. However, refractory grade reserves of chromite are very meagre.

Copper: The total in situ reserves of copper ore in the country are 712.5 million tonnes equivalent to 9.4 million tonnes of metal content. The all-India conditional resources of copper are 722 million tonnes, (3.16 million tonnes of copper metal) and prospective resources are 0.6 million tonnes of copper ore Major and important copper ore deposits are located in Singhbhum district (Jharkhand), Balaghat district (Madhya Pradesh) and Jhunjhunu and Alwar districts (Rajasthan). In addition, there are small copper ore deposits in Gujarat, Kamataka, Andhra Pradesh, Uttar Pradesh, Sikkim, Meghalaya Maharashtra and West Bengal.

Gold: There are 3 important gold fields in the country, namely, Kolar Gold Field, Kolar district, Hutti Gold Field in Raichur district (both in Kamataka) and Ramgiri Gold Field in Anantpur district (Andhra Pradesh). Total in situreserves of gold ore are estimated at 222.4 million tonnes, with 116.50 tonnes of metal.

Iron Ore: The total in situ reserves of iron ore in the country are about 12,317 million tonnes of haematite and 539.5 million tonnes of magnetite. The resources of very high grade ore are limited and are restricted mainly in Bailadila sector of Chhattisgarh and to a lesser extent in Bellary-Hospetarea of Kamataka and Barajamda sector in Jharkhand and Orissa. Haematite resources are located in Orissa, Jharkhand, Chhattisgarh, Kamataka, Goa, Maharashtra, Andhra Pradesh and Rajasthan. Magnetite resources are located in Kamataka, Andhra Pradesh, Goa, Kerala, Jharkhand, Rajasthan and Tamil Nadu.

Lead-Zinc: Lead-Zincresources are located in Rajasthan, West Bengal, Andhra Pradesh, Gujarat, Madhya Pradesh, Uttar Pradesh, Orissa, Maharashtra, Meghalaya. Tamil Nadu and Sikkim. Total in situ reserves (all grades) of lead and zinc ores are 231.22 million tonnes comprising metal content of 5.1 million tonnes of lead and 17.01 million tonnes of zinc metal.

Manganese: The total in situ reserves of manganese ore are 406 million tonnes out of which 104 million tonnes are proved, 135 million tonnes are probable and 167 million tonnes are in possible categories. Main reserves fall in Karnataka, followed by Orissa, Madhya Pradesh, Maharashtra and Goa. Minor occurrences of manganese are in Andhra Pradesh, Jharkhand, Gujarat, Rajasthan and West Bengal.

Nickel: The total estimated conditional resources of nickel or e are 188.7 million tonnes located in Orissa (174.48 million tonnes) and Jharkhand (9 million tonnes).

Tungsten: The total in situ reserves of tungsten ore have been estimated at 4 million tonnes or 1,32,478 tonnes of content. The main reserves are at Dec Rajasthan. It also occurs in Maharas Haryana, West Bengal and Andhra Prade

Barytes: The in situ reserves of baryte 85.29 million tonnes. The Mangampet de occurring in Cuddapah district (Andhra Pracis the single largest deposit in the world. Noccurrences of barytes are located in Rajast West Bengal, Chhattisgarh, Madhya Prac Tamil Nadu, Maharashtra, Uttar Prad Iharkhand, Himachal Pradesh and Kamati

Diamond: Diamond deposits occur int types of geological settings such as kimber pipes, conglomerate beds and alluvial grather main diamond bearing areas in India Panna belt in Madhya Pradesh, Munimadi Banganapalle conglomerate in Kumool trict, Wajrakarur kimberlite pipe in Ananti district and the gravels of Krishna river bas Andhra Pradesh. Reserve have been estimonly in Patina belt and Krishna Gravel Andhra Pradesh. The total in situ reserve about 26,43,824 carats. There are conditioned in the condition of the

te fields are discovered recently in Raichurjulbarga districts of Kamataka.

Dolomite: Dolomite occurrences are widepread in almost all parts of the country. The otal in situ reserves of all grades of dolomite are 7,348 million tonnes. The major share of about 90% reserves is distributed in the states of Madhya Pradesh, Chhattisgarh, Onssa, Gujarat, Kamataka, West Bengal, Uttar Pradesh and Maharashtra. The reserves of BF and SMS grades are large, but those of refractory grade at 425 million tonnes constitute only 5.8% of the all India reserve.

Fire Clay: Fireclay occurs as a bedded deposit, mostly associated with coal measures of Gondwana and Tertiary periods. Important deposits are associated with Jharia and Raniganj coalfields in Jharkhand and West Bengal, Korba coalfield in Chhattisgarh and Neyveli Lignite field in Tamil Nadu. Notable occurrences of fireclay not associated with coal measures are known in Gujarat, Jabalpur region of Madhya Pradesh and Belpahar-Sundergarh areas of Orissa. The in situ reserves of fireclay are about 706 million tonnes.

Fluorspar: Total in situ reserves of fluorspar in India are 14.15 million tonnes. Commercial deposits of fluorspar are located in Gujarat, Rajasthan, Madhya Pradesh and Maharashtra.

Gypsum: The in situ reserves of gypsum are estimated at 383 million tonnes. Out of this 1.8 millions are of surgical/ plaster grade. 91.7 million tonnes of fertiliser / pottery grade, 76.37 million tonnes of cement/ paint grade, 13 million tonnes of soil reclamation grade and the rest is unclassified. The production of gypsum is confined to Rajasthan, Tamil Nadu, Jammu and Kashmir, and Gujarat. Rajasthan is the main producer of gypsum followed by Jammu and Kashmir.

Graphite: The in situ reserves of graphite are 15.9 million tonnes. Orissa is the major producer 15.9 million tonnes. Orissa is the major producer 15.1 graphite. Almost the entire reserves of Tamil 15.1 ladu under proved category are in

Ramanathapuram district. Deposits of commercial importance are located in Andhra Pradesh, Jharkhand, Gujarat, Kamataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Rajasthan and Tamil Nadu.

Ilmenite: The in situ reserves of ilmenite are 374.62 million tonnes. Ilmenite occurs mainly in beach sand deposits right from Ratnagin (Maharashtra) to coast in Kerala, Tamil Nadu and Orissa. The mineral is also found in Andhra Pradesh, Bihar, and West Bengal.

Kaolin: The all India in situ reserves of kaolin, including white clay of all categories are about 2,353 million tonnes. Principal producing states are Kerala, West Bengal, Bihar, Rajasthan and Gujarat. Ball clay is mainly produced in West Godavan district of Andhra Pradesh and Bikaner district of Rajasthan.

Limestone: The total in situ reserves of limestone of all categories and grades are placed at 1,69,941 million tonnes. The total conditional reserves have been estimated at 3,713 million tonnes. The major share of its production comes from Madhya Pradesh, Chhattisgarh, Andhra Pradesh, Gujarat, Rajasthan, Kamataka, Tamil Nadu, Maharashtra, Himachal Pradesh, Orissa, Bihar, Uttaranchal and Uttar Pradesh. The remaining part comes from Assam, Haryana, Jammu and Kashmir, Kerala and Meghalaya.

Mica: India is the world's leading producer of sheet mica and accounts for about 60 per cent of global mica trade. Important mica bearing pegmatite occurs in Andhra Pradesh, Jharkhand, Bihar, Rajasthan. The total in situ reserves of mica in the country are placed at 59,065 tonnes. The in situ reserves of mica in Andhra Pradesh are 42,626 thousand tonnes, Bihar 12,938 tonnes, Jharkhand 1,494 tonnes and in Rajasthan 2,006 tonnes.

Magnesite: The total in situ reserves of magnesite are about 415 million tonnes of which 75.8 million tonnes are in the proved category. Major deposits of magnesite are found in Uttaranchal, Tamil Nadu and Rajasthan while minor occurrences are in Jammu and Kashmir, Kamataka, Himachal Pradesh and Kerala.

Phosphate Minerals: Deposits of phosphorites are located in Madhya Pradesh, Rajasthan, Uttaranchal, UP. and Gujarat. Besides, apatite deposits of commercial importance are reported from Jharkhand, West Bengal, Andhra Pradesh, Tamil Nadu and

Nadu, Orissa, Kerala, Andhra Pradesh and

West Bengal with minor occurrences in Assam,

Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Meghalaya and Rajasthan. Rajasthan. In situ reserves of phosphorites are estimated at 193.23 million tonnes of all grades and of a patite at 14.83 million tonnes.

Other Minerals: Other minerals occurring in significant quantities in India are bentonite (Rajasthan, Gujarat, Iharkhand and J&K), corundum (Kamataka, Andhra Pradesh, Rajasthan and Chhattisgarh), calcite (Andhra Pradesh, Rajasthan, Madhya Pradesh. Tamil Nadu, Haryana, Kamataka, Uttar Pradesh and Gujarat), fuller's earth (Rajasthan, Jharkhand, Bihar, Andhra Pradesh, Tamil Nadu, Maharashtra, West Bengal and Kamataka), gamet (Tamil Nadu, Orissa, Andhra Pradesh, Rajasthan and Kerala), pyrites (Jharkhand, Rajasthan, Karnataka, Himachal Pradesh and Andhra Pradesh), steatite (Rajasthan, Uttar Pradesh, Kerala, Maharashtra and Madhya Pradesh), wollastonite (Rajasthan and Gujarat), zircon (beach sand of Kerala, Tamil Nadu, Andhra Pradesh and Orissa).

भागस्य देखानां

The social and economic development of a country owes a lot to the development of energy resources of that country. Development of conventional forms of energy for meeting the growing energy needs of society is the responsibility of the government. The Ministry of Non-conventional Energy Sources is now actively engaged in the development and promotion of non-conventional/ alternative/ new and renewable sources of energy such as solar, wind and bio-energy etc.

Power development in India started at the end of the 19th century with the commissioning of electricity supply in Darjeeling during 1897. It was soon followed by the commissioning of a power station at Sivasamudram in Kamataka during 1902.

The installed power generation capacity in the country has increased from 1,400 MW in 1947 to 1,18,419.09 MW as on 31 March 2005 compnsing 80,902.45 MW thermal, 30,935.63 MW hydro, 3,811.01 MW wind and 2,770 MW nuclear. A capacity addition programme of 6,344.52 MW has been fixed for the year 2005-06. Power generation during 2004-05 was 587.366 BUs compnsing 486.031 BUs thermal, 84.497 BUs hydro. The target of power generation for 2005-06 has been fixed at 621.500 BUs.

Coal is the main source of energy in the country and accounts for about 67 percent of the country's commercial needs. Coal is a important input in steel and carbo-chemical industries. As on 1 January 2005, coal reserved

of India (down to depth of 1200 metres) have been estimated at 2,47,847 million tonnes.

Lignite reserves in India have been estimated at around 36,009 million tonnes. Lignitereserves have been identified in Rajasthan, Gujarat, Jammu and Kashmir and Kerala to the extent of 3,845 million tonnes, 1,816 million tonnes, 128 million tonnes and 108 million tonnes respectively.

The importance of increasing the use of renewable energy sources was recognised in the country as far back as the 1970s. The country has developed a very large programme for renewable energy. It covers almost all major renewable energy sources such as biogas, biomass, solar energy, wind energy, small hydro power and other emerging technologies. The Ministry of Non-conventional Energy Sources created in 1992 is the nodal agency of the government for all matters relating to non-conventional / renewable energy.

India receives 5000 trillion kwh of solar radiation per year. Most parts of the country have 300 clear sunny days in a year. It is possible to generate 20 MW solar power per square kilometer land area. Solar energy is being tapped for a vanety of applications like cooking, water heating, drying of farm produce, water pumping home and street lighting, power generation for meeting decentralised requirements in villages, schools and hospitals.

India now ranks fifth in the world in wind power capacity after Germany, USA, Denmark and Spain. The gross wind power potential of India is estimated to be about 45,000 MW, while the present technical potential is limited to about 13,000 MW governed by the grid capacity in the potential states.

Oil and Natural Gas Corporation (ONGC) and Oil India Limited (OIL), the two national companies and a few private and joint venture companies are engaged in exploration and production of crude oil and natural gas in the country. Crude oil production in the country

during the year 2003-04 was 33.378 MMT. Production of natural gas during the same period was about 31.96 billion cubic meters.

Atomic Energy

The Department of Atomic Energy, established on 3 August 1954, has been engaged in the development of nuclear power technology, application of radiation technologies in the field of agriculture, medicine, industry and basic research. It supports 7 institutes of international repute engaged in research in basic sciences, astronomy, astrophysics, cancer research and education, etc. The Department being an integrated organisation comprises 5 research centres, 3 industrial organisations, 4 public sector undertakings, and 3 service organisations.

The Indian nuclear power programme started off in the sixties. The DAE has a 3stage programme. Stage-I comprises setting up of pressurised heavy water reactors (PHWR) and associated fuel cycle facilities. Stage-II envisages setting up fast breeder reactors (FBR) backed by reprocessing plants and plutonium based fuel fabrication plants. Stage-III is based on thorium-233 cycle. Ura-· nium-233 is obtained by irradiating thorium. NPCIL is responsible for design, construction, and operation of nuclear power reactors. IGCAR is engaged in design and development of liquid sodium cooled FBRs. BHAVINI, a new company, is responsible for implementing Prototype Fast Breeder Reactor (PFBR) in collaboration with IGCAR and NPGIL. BARC is now developing Advanced Heavy Water Reactor for thorium utilisation, which is abundant in India.

Initially an atomic power station was set up in Tarapur (Maharashtra) - commissioned in 1969. The first two PHWRs built at Rawatbhata (Rajasthan) started commercial production in 1972 and 1980. Two 2x220 PHWR was commissioned at Kakrapar in 1982 and 1995. In 1999-2000, 2x220Mwe

National Power Grid

The Union government in 1980 approved in principle the establishment of a Centrally owned and operated national power grid. The national gridwould eventually comprise strong regional networks with suitable HVDC links between the regions. The inter-regional power transfer capacity today has been raised to 4350 MW from a mere 500 MW in 1992-93. The inter-regional HVDC back to back links Vindhyachal (2X250 MW) connecting Western and Northern regions, Bhadrawati (2X500) MW) connecting Western and Southern Region, Gazuwaka (1X500 MW) connecting Eastern and Southern Region are in operation. These as well as the other AC links between regions form the important components of the National Power Grid. The basic framework of the Power Gnd shall be in place after completion of ongoing East-North Sasaram HVDC inter-connection scheduled for completion by 2002. The power transfer capacity is also planned to be enhanced in a progressive manner up to 14000 MW by 2004-05 and up to 30,000 MW by the year 2012 through establishment of various inter-regional AC and HVDC links along with transmission highways planned for future. The Power Gnd Corporation of India Limited established in 1989 has been vested with the responsibility of developing the National Gnd.

Rurai Electrification: In 1947, only 1500 villages in the country were electrified. Now under the rural electrification programme 5,06,401 (86.2%) villages out of the total 58725B villages have been electrified. Similarly, a total of 1,24,45,010 million pumpsets have been energised up to February, 2000 out of the total estimated potential of energisation of 19.6 million pumpsets thus achieving 63% of energisation target for pumpsets. The Government launched Kutir lyoti Programme on the occasion of Nehru Centenary Year (1988-89) for extending single point connection to the households of rural poor families below poverty lines. This programme is also being given priority in the rural electrification schemes.

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Railways

Railways provide the principal mode of transportation for freight and passengers. The first ever train in India was llagged off from Bombay to Thane on April 16, 1853. The distance was just 34 kms. It is now one of the world's largest transportation systems.

The total network route km is 63,221 and the number of employees 1.54 million. The number of trains every day is around 11,000, of which 7000 are passenger trains. It has now grown into a network of 7,031 stations, with a fleet of 7,817 locomotives, 5,321 passenger service vehicles, 4904 other coaching ve-

les and 2,28,170 wagons as on 31 March 34.

way Zones

ne (16)	Headquarters
uthern	Chennai
stern	Mumbai (Church Gate)
ntral	Mumbai CST
rthern	New Delhi
itern	Kolkata
uth-Eastern	Kolkata
rth-Eastern	Gorakhpur
uth-Central	Secunderabad
irth-East Frontier	Maligaon (Guwahati)
irth-Central	Allahabad
st-Central	Hajipur
orth-Western	Jaipur
st-Coast	Bhubaneswa r
uth-Western	Hubli
est-Central	Jabalpur
uth-East Central	Bilaspur

ipping and Ports

India has a 7617 km long coastline. About % of India's foreign trade by volume and % by value moves through ports.

There are 12 major Ports in India, viz. olkata (including Haldia), Paradip, Visakhatnam, Chennai, Ennore and Tuticorin on e East coast; and Cochin, New Mangalore, ormugao, Jawaharlal Nehru (JNPT), umbal and Kandla on the West coast.

There are 185 minor/intermediate ports ader the administrative control of conrned maritime State Government. Out of ese, about 43 ports handle cargo.

During 2003-04, minor ports handled bout 113.41 MT of cargo traffic which is proximately 25% of the total cargo traffic andled by the Indian ports.

As on 1 April 2005, there were 686 ships gistered in India with a Gross tonnage i.e. freight carrying capacity) of 8.01 illion tonnes. India has the largest mernant shipping fleet among the developing puntries and ranks 19th amongst the counies with the largest cargo carrying fleet

with 7.07 million GT and the average of the fleet being 17 years. During 2003-04, the overall share of Indian ships in India's overseas trade was about 16.9%. There are 28 shipyards in the country; 7 under Central public sector, 2 under State Governments and 19 under private sector.

Inland Waterways

Three inland waterways have been declared as National Waterways. They are: (1) NW-1: Alahabad-Haldia stretch (1620 km) of the Ganga-Bhagirathi-Hooglynver system; (2) NW-2: Sadiya-Dhubri stretch (891 km) of the Brahmaputra river; and (3) NW-3: Kottapuram-Kollam stretch (168 km) of the West Coast Canal along with Champakara Canal (923 km) and Udyogmandal Canal (14 km).

During the 9th Plan period there was additional capacity creation to the extent of 124.40 MTPA in the 12 major ports resulting in aggregate capacity for these ports reaching 343.95 MTPA by the end of the 9th Plan period.

By the terminal year of the 10th Plan in 2006-07, traffic in major ports is projected to reach 415 million tonnes whereas aggregate capacity in major ports is expected to reach a level of 470.60 MTPA.

Roads

India has a vast road network of about 3.32 million km that includes National Highways, State Highways, major district roads and rural roads. The length of National Highways in the country at the time of Independence (1947) was 21,440 km. Today, the length of National Highways is 65,569 km, the length of State Highways is 1,31,399 km, the length of state district roads is 4,67,763 km and the length of rural roads is 25,50,000 km.

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Civil Aviation

The civil aviation sector in India is now undergoing a rapid phase of expansion. Despite the nation's population of more than a billion people, it has just 165 commercial planes. But the country is changing rapidly, emerging as one of the fastest growing markets. Air traffic in India has been growing rapidly, adding around 275,000 passenger seats in 2004, and it is expected to add more than 325,000 in 2005.

Existing Position: There are 449 airports/ airstrips in the country. Among these, the AAI owns and manages 92 airports and 28 civil enclaves at defence airfields and provides air traffic services over the entire Indian airspace and adjoining oceanic areas.

In 1996-97, these 120 airports/civil enclaves handled 3.96 lakh aircraft movements involving 243 lakh domestic and 122 lakh international passengers, and 20 lakh metric tonnes of domestic and 4.8 lakh metric tonnes of international cargo. 52% of traffic was handled at the international airports at Mumbai and Delhi. Presently, the various airlines are operating only through 61 airports. The remaining are lying unutilised, at best handling occasional aircraft operations.

Historically, air traffic at Indian airports has broadly followed a particular distribution pattern, except that some airports have changed their inter se positions vis-a-vis volume of traffic.

Airports are presently classified in the following manner: (i) International Airports: These are declared as International Airports and are available for scheduled

international operations by Indian and foreign carrriers. Presently, Mumbai, Delhi, Chennai, Kolkata and Thrivananthapuram are in this category; (ii) Custom Airports: These have customs and immigration facilities for limited international operations by national carriers and for foreign tourist and cargo charter flights. These include Bangalore, Hyderabad, Ahmedabad, Calicut, Goa, Varanasi, Patna, Agra, Jaipur, Amritsar and Tiruchirapally; (iii) Model Airports: These are domestic airports which have minimum runway length of 7500 feet and adequate terminal capacity to handle Airbus 320 type of aircraft. These can cater to limited international traffic, if required. These include Lucknow, Bhubaneshwar, Guwahati, Nagpur, Vadodara, Coimbatore, Imphal and Indore; (iv) Other Domestic Airports: All other airports are covered in this category; (v) Civil Enclaves in Defence Airport: These are 28 civil enclaves in Defence airfields.

Proposed Classification of Airports: 1. To develop the capacity of airports in accordance with the future projections, it is proposed to reclassify the airports as follows:(a) International Hubs: This category will be that of 'International Hubs' which may cover airports currently classified as 'International airports' and those eminently qualified to be upgraded as such. These would at present cover Delhi, Mumbai, Chennai, Kolkata and Thiruvananthapuram. Airports at Bangalore, Hyderabad, Ahmedabad, Amritsar and Guwahati can be added to the list as and when the facilities are upgraded to the desired level. International hubs would be used for dispersal of international traffic to the hinterland. In these airports, the facilities shall be of world class standards, including convenient connections to international and domestic passengers, airport-related infrastructure like hotels, shopping areas, conferencing and entertainment facilities,

aircraftmaintenance bases, etc.; (b) Regional Hubs: Government is keen to encourage development of regional airlines based on small aircraft to provide air linkages in the interior areas of the country. Regional hubs will have to act as operational bases for regional airlines and also have all the facilities currently postulated for model airports, including the capability to handle limited international traffic. The identification of

Regional Hubs will be made on the basis of origin-destination surveys, traffic demand and the requirements of the airlines. State Govt. will be closely associated as co-promoters of regional airlines; (c) Other operational airports: These will be developed so as to be cost-effective on the basis of individual needs to meet the requirements of traffic handled by them. Airports serving State Capitals will be given priority.

Datance

The Army

The Army is organised into five operational Commands, viz., Southern, Eastern, Western, Central and Northern Command and one Training Command. The Army consists of a number of arms and services. At the Army Headquarters in New Delhi, the Chief of the Army Staff is assisted by the Vice-Chief of the Army Staff and seven other Principal Staff Officers.

Navy

The Navy is responsible for defence and security of India's maritime interests and assets, both in times of war and peace. The Chief of the Naval Staff at the Naval Headquarters, New Delhi, is assisted by four Principal Staff Officers. The Navy has three commands, i.e., Western, Eastern and Southern, with their headquarters located at Mumbai, Vishakhapatnam and Kochi respectively. At present, it has two major Naval bases at Mumbai and Vishakhapatnam.

Air Force

The Indian Air Force, established more than six decades ago, has indeed come a

long way to become a balanced and potent world class Air Force in the world. There are five operational commands. These are: Western Air Command, South-Western Air Command, Central Air Command, Eastern Air Command and Southern Air Command. In addition, Maintenance Command and Training Command are two functional commands. The Air Headquarters is in New Delhi.

Women in the Armed Forces

While provision has all along existed for women to join the Armed Forces Medical Services, the Armed Forces Dental Services and the Military Nursing Service, Section 12 of the Army Act provided that women would not normally be eligible for enrolment in the Army. Similar provisions also existed in the cases of the Air Force and the Navy. However, in acknowledgement of the changing times, the Government has approved the induction of women into selected non-combatant branches in the three Forces. The entry of women is mainly in the officer cadres and on Short Service Commission basis. Further continuance depends on

the basis of the experience gained. In pursuance of this decision, several women officers have since joined the Service, in the EME, Signals, Engineers, Army Education Corps, Army Ordnance Corps, Army Service Corps and in the Judge Advocate General Department.

Coast Guard

The Coast Guard came into being on 1 February 1977 and was constituted as an independent Armed Force of the Union of India with the enactment of CG Act 1978 on 18 August 1978. The Coast Guard's broad Charter of Duties includes: (a) Safety and protection of offshore installations and artificial islands; (b) Providing protection to fishermen in distress; (c) Protection of maritime environment; (d) Assisting Customs in anti-smuggling operations; (e) Enforcement of MZI Act; and (f) Safety of life and property at sea.

National Cadet Corps (NCC)

The National Cadet Corps (NCC) established on 15 July 1948 has emerged as the single largest structured youth movement in India. It has 12 takh boys and girls in the Senior and Junior Divisions in the Army, Navy and Air Force Wings. This strength covers 3.8% of the eligible student population in the country. Director General, NCC located at New Delhi controls and oversees various activities of the NCC through 16 NCC Directorates spread across the country.

Military Education & Training: Major Institutions are: Sainik Schools, National Defence Academy (NDA), Khadakwasla, The Indian Military Academy (IMA),
Dehradun, The Officers' Training Academy,
(OTA) Chennai, Rashtriya Indian Military
College, Dehradun, The National Defence
College (NDC), Army Cadet College (a wing
of IMA), Army School of Physical Training
(ASPT), Pune, The College of Combat,

Mhow, College of Military Engineerin Kirkee (Pune), The Military College of Tel communication Engineering, Mhow, TI Armoured Corps Centre and Schoo Ahmednagar, The School of Artiller Deolali, The Air Defence Guided Missil School at Gopalpur-on-sea, The High Alt tude Warfare School - Gulmarg an Sonmarg, The Counter Insurgency and Geleral Warfare School, Vairengate, and The College of Materials Management, Jabalpu

Defence Research

The Defence Research & Developmer Organisation (DRDO) has embarked on journey to empower India with the cutting edge defence technology in pursuit of technological excellence.

The DRDO executes various R&I projects through a network of 51 laboratoric spread across India. The department has technical work force comprising 6,000 scier tists, engineers and 35,000 office personne

In 2004, MBT.Arjun has rolled out making everybody proud. It is the state-of-the art flagship of Indian armour. It is fortified with laser range finder, Israeli missiles, ther mal sighting equipment, etc.

The supersonic missile BRAHMOS is the outcome of a joint venture between Indiand Russia. It has been flight-tested and inducted into services. The production facilities have also been geared up in both the countries to meet the orders.

The first Technology Demonstrator wa flight-tested on January 4, 2001. The sec and Technology Demonstrator made it maiden flight on June 6, 2002. Till now 32 test flights have taken place. To accelerate the pace of development and flight trials, 5 more prototype vehicles PV1-PV5 are being built. The Light Combat Aircraft (LCA) is planned to be inducted into Air Force after the initial operational clearance in 2005-06.

Agni I, a single stage solid propelled

ssile having a range of B00 kms was atfired in January 2004 and also 2003. e range fills the gap between Prithvi and e Intermediate Range Ballistic Missile, is missile can be fired from both rail or ad missile launchers.

Another success story is the Pinaka. It is

an Area Weapon System and has undergone confirmatory user trials successfully in July, 2003. The System has met users' requirements for accuracy and consistency. The PINAKA has the capability of firing in a single salvo 12 rockets in less than 40 seconds with a range of 3B kms.

The First War of Independence

The year 1B57 is very significant in the nistory of India's freedom struggle. It witnessed a revolt, which the British historians have dubbed the Sepoy Mutiny and the Indian historians, the First War of Independence. The 150th anniversary of this event was marked in 2006.

In the summer of 1857 the massed clouds burst and the entire British dominion in India shook to its foundations. Troubles first broke out in Berhampore of Bengal on February 26 in the 19th Bengal Infantry. The first shot was fired on March 29 by Mangal Pandey (Ballia, U.P.) of the 34th Bengal Infantry at Barrackpore of Bengal. Mangal Pandey was hanged at Barrackpore on April B.

Mutiny started on May 10 at Meerut, followed in Delhi on May 11.

Though the revolt began as a mutiny of Indian soldiers against their British commanders, it soon changed its character and became a fight against British rule as such.

Indian soldiers had broken out in open mutiny against British officers many times previously—in 1806 at Vellore (Madras), in 1842 in Bengal, in 1844 in Sind, then in Bihar and Punjab. None of these had any political overtones. But the so-called Mutiny of 1857 differed radically in this respect. The two elements-military and political coalesced in the revolt of 1857.

The Indian soldiers having massacred the British personnel in Meerut, marched to Delhi and proclaimed the aged Mughal Emperor Bahadur Shah II as the Emperor of India. Bahadur Shah promptly issued a proclamation urging upon the people of India—Hindus and Muslims alike—"to end the tyranny and the oppression of the infidel and treacherous English."

The British recaptured Delhi from the mutineers on September 20. Bahadur Shah surrendered to Lt. W.S.R. Hodson on September 21 at Humayun's Tomb in Delhi.

The immediate results of the 1B57 revolt were:

- 1. The administration of British India, until then under the control of the Board of Directors of the East India Company, was taken over by the British Government. Queen Victoria was proclaimed the Empress of India and the Governor General was designated the Viceroy and Governor General.
- 2. The British Indian army was re-organised. The quota of British personnel in the army was considerably enhanced and the artillery divisions were manned entirely by the British. In addition, many purely British regiments were formed.
- 3. The paramountcy of the British Government was proclaimed, that is to say, all ruling kings and titular princes of India were declared feudatories of the British Crown. This proclamation raised many eyebrows among Indian princes, but there was little they could do in the matter.

व्यानमानी डिस्सामी देश

der Management

ndia has 15106.7 km. of land border ning through 92 districts in 17 States and oastline of 7516.6 km. touching 13 States d Union Territories (UTs). India also has a tal of 1197 islands accounting for 2094 km. additional coastline. In fact, barring MP, nhattis-garh, Jharkhand, Delhi and Haryana, I other States in the country have one or lore international borders or a coastline nd can be regarded as frontline States from he point of view of border management.

The length of India's land borders with neighbouring countries are:

Country	Length of the border
Bangladesh	4096.7 km.
China	3488 km.
Pakistan	3323 km,
Nepal	1751 km.
Myanmar	1643 km.
Bhutan	699 km.
Afghanistan	106 km.

Central Police Forces

There are 7 Central Police Forces under the Union Government, namely Assam Rifles (AR), Border Security Force (BSF), Indo-Tibetan Border Police (ITBP), Central Reserve Police Force (CRPF), Central Industrial Security Force (CISF), Sashashtra Seema Bal (SSB) and National Security Guard (NSG).

Tackling Natural Calamities

The Ministry of Home Affairs is the nodal ministry for tackling natural calamities. MHA remains in touch with the affected State Governments during crises and coordinates emergency relief and response of the Central Gov-

emment which includes search, rescue evacuation, air dropping and air lifting, munication, transport, food grains and a tial commodities, medicines, etc.

Facility to Freedom Fighters

Freedom fighters' pension has beer tioned to 168906 persons including dependants. They are provided varicilities like free railway pass, free pfacilities in all the Central Governme pitals and C.G.H.S. facilities, telephonection without installation charges a ment of half the rental, General Poernment accommodation in Delhi, 2 ership/distributorship of petroleur ucts allotted through Dealer S Boards, etc.

Naxal and Maoist Activities

The Government has adopted pronged strategy to combat the property of the prop

Issue of Passport/Visa

Fourteen types of visas are is eign nationals for different pu number of registered foreigne India (excluding Pakistanis) as or was 3,34,574.

Space Technology

he ISRO space programme has come a long way from a modest beginning with the Nicke Appache rocket launch with sodium vapour payload on Nov. 21, 1963. launch vehicle development programme later shifted from Thumba to the Sriharikota launching station in 1969. The ISRO's maiden venture in developing satellite launch vehicle was itself a failure with the SLV-3 failing due to malfunctioning of first stage control system in August 1979. Undeterred by it, the developmental flight of SLV-3 attempted in 1983 brought happy tidings for the ISRO as the satellite sent home more than 2,500 pictures. While the Augmented Satellite Launch Vehicle (ASLV) launched in 1987 had problems in thrust power due to malfunctioning in first stage motor, its successor sent in July 1988 was a miserable failure as it could last only about 150 seconds before it met with its watery grave in the Bay of Bengal. In May 1992 ISRO launched the ASLV-3 which noisted the Stretched Rohini Satellite SROSS). Its successor launched in May 1994 vas a success.

Major Achievements

1962: Indian National Committee for pace Research (INCOSPAR): formed by he Department of Atomic Energy, and ork on establishing Thumba Equatorial ocket Launching Station (TERLS) near rivandrum began.

1963: First sounding rocket launched om TERLS on November 21, 1963

1965: Space Science & Technology Cene (SSTC) established in Thumba

1967: Satellite Telecommunication Earth Station set up at Ahmedabad.

1972: Space Commission and Department of Space setup.

1975: First Indian Satellite, Aryabhata, launched (April 19, 1975)

1979: Bhaskara-1, an experimental satellite launched. First experimental launch of SLV-3 with Rohini satellite on board failed.

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1981: APPLE, an experimental geostationary communication satellite successfully launched on June 19.

1981: 8haskara-II launched on November 20.

1982: INSAT-1A launched (April); deactivated in September.

1983: Second launch of SLV-3.RS-D2 placed in orbit. INSAT-1B launched.

1984: Indo-Soviet manned space mission (April). Rakesh Sharma became the first Indian to reach space

1987: ASLV with SROSS-1 satellite on board launched.

1988: First Indian remote sensing satellite, IRS-1A launched. INSAT-1C launched (July). Abandoned in November.

1990: INSAT-1D launched successfully.

1991: Launch of second operational Remote Sensing satellite, IRS-1D (Auqust)

1992: Third developmental launch of ASLV with SROCC-C on board (May). Satellite placed in orbit. First indigenously built satellite INSAT-2A launched successfully.

1993: INSAT-28 launched in July success-

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Border Management

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Naxal and Maoist Activities

The Government has adopted a multipronged strategy to combat the problem of naxalism which inter alia includes peace talks with naxal outfits, accelerated economic development, increased employment opportunities, removal of socio-cultural alienation of the people, and effective anti-naxalite police actions. The incidents of naxalite violence were 1335 during 2004 (as on October 31, 2004) in the country and the number of deaths during 2004 (as on October 31, 2004) 468.

Issue of Passport/Visa

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1987: ASLV with SROSS-1 satellite on board launched.

1988: First Indian remote sensing satellite, IRS-1A Jaunched, INSAT-1C Jaunched (July). Abandoned in November.

1990: INSAT-1D launched successfully. 1991: Launch of second operational Remote Sensing satellite, IRS-1D (Auqust)

1992: Third developmental launch ASLV with SROCC-C on board (May). lite placed in orbit. First indimensusly satellite INSAT-2A launche

1993: INSAT-28 launche

fully. First developmental launch of PSLV with IRS-1E on board fails.

1994: Fourth developmental launch of ASLV successful (May). Second developmental launch of Polar Satellite Launch Vehicle (PSLV) with IRS-P2 successful (October).

1995: INSAT-2C launched in December. Third operational IRS (IRS) launched.

1996: Third developmental launch of PSLV with IRS-P3 successful (March).

1997: INSAT-2D launched in June becomes inoperational in October. Arabsat 1C, since renamed INSAT-2DT, acquired in November. First operational launch of PSLV with IRS-1D successful (September).

1998: INSAT system capacity augmented with the readiness of INSAT-2DT acquired from Arabsat (January).

1999: INSAT-2E the last satellite in the multi-purpose INSAT-2 series, launched by Ariane from Kourou French Guyana (April 3, 1999). IRS-P4 (OCEANSAT) launched by Polar Satellite launch Vehicle (PSLV-C2) along with Korean KITSAT-3 and German DLR-TUBSAT from Sriharikota (26 May 1999).

2000: INSAT-3B was launched on 22 March 2000.

2001: Geosynchronous Satellite Launch Vehicle-D1 (GDLV-D1), the first developmental launch of GSLV with GSAT-1 on board partially successful.

2002: INSAT-3C launched successfully by Ariane space (January), PSLV-C4 launches KALPANA-1 (September)

2003: GSLV-D2, the second developmental launch of GSLV with GST-2 successful (May).

2004: First operational flight of GSLV (F1) successfully launches EDUSAT (September).

2005: Launch of CARTOSAT and HAMSAT by PSLV-C6 from the second launch pad-(Universal Launch Pad) (May)

2006: INSAT 4A launched. Planned launch of CARTOSAT-2 SRE and LAPAN-TUBSAT

2006: INSAT 4C launch was unsuccessful The ISRO decade plan include the following launch schedule:

2005-2006: One PSLV launch (PSLV-C7). Launch of CARTOSAT -2, SRE-1, INSAT-4A and INSAT-4B.

2006-2007: One PSLV launch, (PSLV-C8), and three GSLV launches (GSLV-D3, F2,F3). Launch of OCEANSAT-2, GSAT-4, INSAT-4C and INSAT-4D.

2007-2008: Three PSLV launches (PSLV-C9, C10, C11), two GSLV launches (GSLV-F4, F5) and one GSLV-lii launch (GSLV III-D1). Launch of CHANDRAYAAN, ASTROSAT, RISAT-1, GSAT(MK III), INSAT-3D and INSAT-4F.

Measyandebraffor

In 1951 India's literacy was only 18.3 percent. Today the rate stands at 64.8 percent. Quite a big leap for independent India. However, India continues to lag behind several other developing countries in the region.

China's adult literacy rate was 78.3 in 1990 and 85.8 in 2001, when India reported 49.3 and 58.0 respectively. Sri Lanka posted youth literacy rate of 95.1 (1990) and 96.9 (2001) while India's rates were 64.3 and 73.3 respectively.

Census data indicate that the number of literates in India grew by 52 percent in 1981-91 and 59 percent in 1991-2001. The absolute number of illiterates increased during 1981-91 but substantially declined during 1991-2001.

The National Policy on Education (1986) provides a broad policy framework for eradication of literacy and sets a goal of expenditure on education at 6 percent of the GDP. As against the goal of 6 percent, the total expenditure on education by both central and state governments was only 3 percent of GDP in 2002-03.

Literacy rates in India (1951-2001)

Census	Persons	Male	Female	Male-Fe-		
Year				male gap in		
				literacy rate		
1951	18.33	27.16	8.66	16.30		
1961	28.30	40.40	15.35	25.05		
1971	34.45	45.96	21.97	23.98		
1981	43.57	56.38	29.76	26.62		
1991	52.21	64.13	39.29	24.64		
2001	64.84	75.85	54.16	21.69		
Source : Census of India						

Elementary education

In order to fulfil the goal of universal elementary education, Constitutional (86 Amendment) Act, 2002 has been passed by the Parliament.

Acomprehensive programme called Sarva Shiksha Abhiyan (SSA) was launched in November 2000 in partnership with the States. The programme aims to improve the performance of the school system through a community-owned approach and to impart quality elementary education to all children in the age group of 6-14 by 2010. It seeks to bridge gender and social disparities at the elementary level. It subsumes all existing programmes, including externally aided programmes, within its overall framework, with the district as the unit of implementa-

tion. National Programme for Education of Girls at Elementary Level (NPEGEL) has been launched for education of girls at elementary level under SSA.

There were 6.51 lakh primary schools and 2.45 lakh upper primary schools in 2002-03. During 2001-02 and 2002-03 the growth rate of enrolment for girls at the elementary level was higher than that of boys. Participation of girls at all levels of school education has improved appreciably over the years, but vast disparities amongst the States in Gross Enrolment Ratio (GER) at primary/upper primary level persist with States in the North-East performing better than others.

Of the estimated population of 205 million in the age group of 6-14 years on March 1, 2002, nearly 82.5 percent was enrolled in schools, compared with 82.4 percent in 2001-02. The student retention at the primary school stage was about 59 percent (1992-1997). At the primary level, the dropout rate decreased from 39 percent in 2001-2002 to 34.9 in 2002-2003. At the upper primary level, the dropout rate decreased from 54.6 percent in 2000-2001 to 52.8 over the same period. The drop out rate of girl students was 33.7 percent and 53.5 percent at the primary and upper primary levels respectively, in 2002-2003.

The Pupil Teacher Ratio (PTR) at the primary level has remained more or less constant at 43:1 during 2001-02. At the upper primary level, it was 34:1.

Adult Education

The National Literacy Mission was launched on May 5, 1988 as a Technology Mission to impart functional literacy to non-literates in the country in the age group of 15-35 years in a time-bound manner. The National Education Policy-1986 as modified in 1992, also has recognized the National Literacy Mission as one of the three instru-

ments to eradicate illiteracy from the country, the other two being Universalisation of Elementary Education and Non-formal Education.

The Mission objective is to attain a sustainable threshold literacy rate of 75 percent by 2007. The Total Literacy Campaign (TLC) has been the principal strategy of National Literacy Mission for eradication of illiteracy in the target age-group.

Secondary Education

The Secondary Education sector prepares students in the age group of 14-18 years for entry into higher education as well as for the world of work. The number of secondary and senior secondary schools during 2002-03 is 1,37,207 with an enrolment of students of 33.2 million.

University & Higher Education

There has been an impressive growth in the area of university and higher education. Accreditation of all Universities and Colleges has been made mandatory. Students' enrolment in higher education rose from 7.26 million in 1997-98 to 9.51 million in 2003-04. Enrolment of women students rose to

3.81 million with women constituting 40 percent of the total in 2003-04. There has been a significant increase in the students' enrolment under Open and Distance Education System.

At present, there are 306 university-level institutions in India (including 18 Central Universities, 186 State Universities, five Institutions established under State Legislature Act, 62 Deemed Universities and 13 Institutes of national importance). Of these, 38 Institutions provide education in agriculture (including forestry, dalry, fisheries and veterinary science), 21 in medicine (including Ayurveda), 44 in engineering and technology, and four in Information Technology, four in Legal Studies. The number of Open Universities is nine and that of Women Universities is five.

Technical and Professional Education

There are 1,349 approved engineering colleges at the degree level. Apart from this, 1,030 institutes offer a Master of Computer Application (MCA) programme. There are 990 approved Management Institutes imparting MBA courses.

ando-Anglian Whing

Though foreign in its origin, English has been adopted in India as a language of education and literary expression besides being an important medium of communication on a vast scale. Its history in India commences with Ram Mohan Roy's (1774-1833) campaign for introduction of scientific education in India through the English medium. He could use the English language effectively though

he learnt it only after he was 16 years of age. 8ut when Vivekananda spoke and wrote in English, Americans described him as a 'perfect master of the English language'.

Among those whose writings in prose are considered as literature the name of Jawaharlal Nehru (1889-1964) stands out. He is particularly remembered for his Glimpses of World History, Discovery of India and An

Autobiography (1936). Gandhiji is reported o have cultivated English carefully. The lanquage became a sharp and strong instrunent in his hands. His precision, economy and clarity in the use of English is unequalled. Nirad Choudhuri (b. 1897-1999) is an internationally accepted writer of English. His Autobiography of an Unknown Indian (1951) is particularly well known.

We have the extraordinary girl Toru Dutt

(1855-76) who died at 21 leaving some fine poems; and then we have Sarojini Naidu (1879-1949) whose romanticism charmed readers in India and Europe. (Golden Threshold, The Broken Wing). Aurobindo (1872-1950) who had his education in Cambridge mastered not only English, Greek and Latin but also French and Italian. (Savitri, Life Divine-2 vols). Tagore's Gitanjali won the Nobel Prize in 1913. The lyrical quality of Gitanjali is universally accepted.

During the contemporary period, we have quite a few Indians, who write poetry in English: Dom Moraes (A Beginning, which won 19-year-old undergraduate of Oxford University the prestigious Hawthornden Prize), Nissim Ezekiel (The Unfumished Man), P. Lal, A.K. Ramanujan, Kamala Das, Arun Kolatkar, R. Parthasarathy, etc. Dom Moraes also produced excellent autobiographical works Son of My Father and Never at Home, Keki Daruwalla and Shiv K. Kumar are other noted names.

In the field of Indian English novel, the three senior writers who began to write in the early thirties are Mulkraj Anand, R.K. Narayan and Raja Rao. Anand's major novels Coolie (1933), Untouchable (1935), The Woman and the Cow (1960) reveal his concern for the underprivileged in India.

R.K. Narayan has projected 'Malgudi' as the locale for most of his stories. Swami and His Friends (193S), Bachelor of Arts (1937), The Financial Expert (1952), The Guide (1959) and Waiting for the Mahatma (1955) are his popular novels. Raja Rao's Kanthapura (1938), The Serpent and the Rope (1960) and The Cat and Shakespeare (1965) are significant achievements.

Other novelists of repute are G.V. Desani (All About H. Hatterr, 1948), M. Ananthanarayanan, Bhabani Bhattacharya, (who died in the U.S. in 1988), Manohar Malgonkar, Arun Joshi, Kamala Markandaya, Anita Desai (Clear Light of Day, 1980), Bharati Mukherjee, Khushwant Singh, Nayantara Sahgal, O.V. Vijayan and Salman Rush-die. As regards drama and the essay the con-tribution is not substantial. Among the critics and historians of literature are K.R. Sreenivasa lyengar, C.D. Narasimhaiah and M.K. Naik.

Other big names in Indo-Anglian writing include Ruskin Bond (The Room on the Roof) Vikram Seth (A Suitable Boy), Allan Sealy (The Trotter-Nama), Shashi Tharoor (Show Business, The Great Indian Novel), Amitav Ghosh (Circle of Reason, Shadow Lines), Upamanyu Chatterjee (English August), Vikram Chandra (Red Earth and Pouring Rain), Shobha De, and Ginu Kamani.

Indian writing has thrown up names of the calibre of Manjula Padmanabhan (The Harvest), Booker-winner Arundhati Roy (The God of Small Things), Manju Kapur (Difficult Daughters), Raj Kamal Jha (The Blue Bed Spread), Anurag Mathur (The Inscrutable Americans), Manil Sun (The Death of Vishnu), Pulizer Prize winning Jhumpa Lahiri (The Interpreter of Maladies, The Namesake), Kiran Desai (Hullabaloo In A Guava Orchard, Inheritance of Loss), Ruchira Mukherjee (Toad In My Garden), Shashi Tharoor (Riot: A Novel), David Davidar (A House of Blue Mangoes), Kavita Daswani (Everything Happens For A Reason) and Rohinton Mistry (Family Matters).

Recent works include Gautam Malkani's Londonstani, Upamanyu Chatterjee's Weight Loss, Manju Kapoor's Home and Amitav Ghosh's The Hungry Tide.

HallhSenato= ImpotanceolGaldacGare

Dr.N.Sudhayakumar M.D.,D.M.

Principal and Head of the Dept. of Cardiology, Medical College, Kottayam

eart diseases contribute a major share in the health problem of India. The faster pace of industrialization and also the inroad of the Western culture have added to the menace of health care issue. These factors increase the stress load and also the risk of development of major factors which may contribute to the occurrence of heart diseases. Maladiustments and social, psychological and financial strain that occur when we try to artificially put the foreign customs and culture into our well reputed ones lead to alteration in the body's natural physiologic mechanism that can lead to a variety of major illnesses including heart disease. One such classical example is the shift from the sacred joint family set up to the present shattered nuclear family concept (reality).

Heart diseases do not constitute a homogenous entity; different types of heart diseases exist. In the chronological sequence the common heart diseases can be grouped as (a) congenital heart disease (present at birth; occurs due to derangement in the development of embryo in foetal life) (b) rheumatic heart disease affecting the cardiac valves (secondary to the disease "rheumatic fever" which occurs during school age) (c) hypertensive heart disease (persistent increase in the blood pressure - hypertension) (d) coronary artery heart disease (eg: heart attack and angina which results from the narrowing of the coronary arteries which supply oxygenated blood to the heart) and (e) miscellaneous group eg: cardiomyopathies (disease of heart muscle), pericardial diseases (affecting pericardium which is the protective covering of the heart), degenerative diseases (due to the ageing process) etc.

Cardiovascular diseases account for a large population of all deaths and disability all over the world. Global Burden of Disease (GBD) Study (2000) reported that in 1990 there were 5.2 million deaths from cardiovascular diseases in economically developed countries and 9.1 million deaths from the same cause in developing countries, In developing countries this occurred more in relatively younger age group - more than half of the deaths in developing countries occurred in those under 70 years. In 1990 cardiovascular diseases caused 2.3 million deaths in India which accounted for 25% of the total deaths. Of this half was due to coronary artery heart disease. By 2020 this number is likely to get doubled.

As per the data of the GBD study the leading causes of death in developing countries like India are ischemic heart disease (9.1%), cerebrovascular disease (8%), lower respiratory infection (7.7%), AIDS (6.9%) and lung diseases (8.7%). Apart from the death rate, disability plays a central role in the health status of a population. The leading causes of disability are substantially different from those of death. Lower respiratory infections rank as the leading cause of death in developing countries. However heart disease especially ischemic heart disease contribute significantly to disability in countries like India.

Burden of coronary heart disease in India

As mentioned earlier, in 1990 1.2 million deaths in India were due to coronary heart disease which has increased to about 1.59 million

000 and this is likely to double by 2020 npared to a 15% rise in developed coun-). This would extrapolate to about 32 milpatients with coronary heart disease in Inin 2000, compared to 2.7 million in UK. pidemiological studies have revealed that prevalence of coronary heart disease (CHD on the rise in India. There is a difference ween rural and urban population. The valence has increased in urban areas from out 6% in 1970 to about 10% in 2000; while ural areas it has increased from 2% to 4.5%. ether there is an actual increase or the hike lue to improvement in the detection of cases awareness and health care system have imoved) is debatable. In terms of absolute numrs there is a very steep increase in CHD cases both rural and urban areas. In urban popuion the number of patients with CHD has reased from 4.5 million in 1970 to about 14 illion in 2000 whereas in rural population it s increased from 4 million in 1970 to about million in 2000. As the epidemiological studexclude many patients with silent CHD, the

ırden on Health Care System

tual number is likely to be still higher.

As the prevalence of CHD is increasing the imber of hospital admissions is also on the e. This is increasing the burden on health are system. A study from Kerala has shown that there has been a more than twentyfold crease in admissions for heart attack over a eriod of 25 years.

conomic burden

As per the projected epidemiological data, ut of the 32 million patients with CHD in India roughly 8 million would be under some orms of treatment. The average expenditure or treatment comes to about Rs.10 per day ie. 3.3500 per year. Hence the total financial burden for medical treatment alone comes to bout Rs.3000 crores per year. This is in addition to the expenses involved for hospital visits,

laboratory tests, etc. The expenses related to more sophisticated tests and treatment (like coronary angiogram, angioplasty, bypass surqery) have also to be added.

Social burden

Coronary heart disease manifests in Indians at least 10 years earlier than the western population. Premature coronary heart disease causes significant social burden in terms of loss of support for children, women and the elderly. Exact loss to the family in terms of financial and social aspect of such an event is difficult to calculate.

Prevalence of CHD among South Asians (Asian Indians)

The terms "South Asians or Asian Indians" include persons that originated in the Indian subcontinent (India, Pakistan, Bangladesh, Nepal, Bhutan & Sri Lanka) who form the immigrant populations that reside in different parts of the world. Obviously the majority of these will be the Indians and hence the term Asian Indians, It has been observed that Asian Indians throughout the world exhibit the highest prevalence of coronary heart disease and coronary risk factors. Asian Indians are known to have a higher occurrence of a constellation of coronary risk factors (central obesity, diabetes mellitus or pre-diabetes, high BP, high triglyceride (a type of bad cholesterol) levels and low level of the good cholesterol (HDL) - collectively termed as metabolic syndrome.

Compared to the other Asian population, Indians have a very high prevalence of CHD. The prevalence is low for Japanese and is lowest for Chinese population. CHD rates among Indians are six times higher than among Chinese. The higher prevalence rate of cardiovascular disease is partly attributable to the influence of affluence. The change in the culture to that of westernand the changes in life style lead to a greater degree and duration of exposure to risk fac-

tors. Differences have been observed in the exercise levels and physical activity patterns of Indians. A higher prevalence of sedentary life style and obesity has been observed in the urban compared to the rural communities. Genetic defects also may be contributing to the higher occurrence of CHD among the Indians.

Prevention

Coronary Artery Heart Disease (Ischemic Heart Disease)

Just like any other organ, heart requires oxygen for generating energy to perform its pumping function. Two major blood vessels, coronary arteries, arising from the origin of aorta supplies oxygenated blood to the heart muscle. As age advances, progressive narrowing of the coronary arteries occurs due to deposition of cholesterol and other materials in their walls. Normally this process, called atherosclerosis, which starts in childhood itself is a gradually progressive phenomenon. However until the blood vessel is narrowed by more than 50% of its diameter, the process will not interfere with the blood flow and hence the disease will not manifest. Certain factors (risk factors) enhance the process of coronary atherosclerosis: the influence is very strong for certain factors which are labelled as major risk factors. Diabetes mellitus (elevated blood sugar), hypertension (high blood pressure), high cholesterol and smoking are considered to be the major risk factors. The most important aspect is the fact that all these factors are modifiable to a great extent and hence the need for stress on the prevention of the disease.

Coronary artery heart disease manifests in different ways – asymptomatic from one end to the catastrophic sudden death at the other end. But the common manifestations are angina, myocardial infarction (heart attack) and heart failure. Partial narrowing (but more than 50% of the diameter) results in angina and abrupt total occlusion leads to myocardial infarction. Damage to the heart muscle due to

defective blood supply causes dilatation of the heart and impairment of its pumping function. This status of the heart is called heart failure.

When the coronaries are narrowed by 50-75% of its diameter, patient starts experiencing the symptoms of angina on exercise; when the narrowing of the vessel exceeds 75% the symptoms appear at rest also. Angina is a symptom complex which includes (a) severe chest pain (located at the central part of chest in front) of a peculiar nature (tightness, feeling of compression, bursting) (b) radiation of the pain to other parts of body like inner aspect of arms (left more often than right), throat, lower jaws, back and upper part of abdomen (c) breathing difficulty (d) sweating, vomiting etc. The symptom is brief lasting about 10-30minutes.

Sudden total occlusion of the coronary arteries with a fresh blood clot results in a more serious disorder called acute myocardial infarction (heart attack). In this situation the heart muscles are damaged due to the total lack of oxygen supply to the region affected. Symptoms of heart attack are similar to those of angina but more severe and prolonged. Heart attack carries great significance in view of the high fatality and morbidity. About 5-10% of patients suffering from heart attack die before they reach the hospital and another 5-10% die during the initial few days of hospital stay. In addition, heart attack can lead to another major complication called heart failure which interferes with the normal activities of the patient. Hence the importance of prevention of the disease and critical care of such patients.

The progress of atherosclerosis can be prevented or retarded to a great extent and it is even possible to reverse the process. Life style modification and interventions to control the risk factors are the most important. As the process of atherosclerosis starts in childhood itself, the life style modification protocol should start in the younger age. Regular exercise, diet regulation and mental relaxation are the important aspects in life style modification.

Regular exercise should be encouraged from childhcod itself. Now what we see is people starting exercise after they have already developed the manifestation of the disease (by this time the disease process has advanced fairfy well). Walking, cycling, swimming or any dynamic games for about 45 minutes every morning are all very good activities that can maintain adequate body mass and also prevent the development of diabetes mellitus, hypertension, hypercholesterolemia etc. Exercises which yield mental relaxation like yoga, meditation etc are also very useful.

Diet restriction aimed at prevention of atherosclerosis also should be planned from early years of life itself. Quantity and quality of food are equally important to maintain ideal body weight and to reduce blood sugar and cholesterol. High fiber diet with lot of vegetables, pulses and fruits are ideal. The use of oil has to be restricted by avoiding oily and fried food items. Meal (especially red meat e.g.: beef, mutton etc) and milk and milk products also have to be avoided or restricted.

Prevention and/or modification of risk factors is of extreme importance in prevention of coronary artery disease. Quitting smoking can prevent not only heart disease but also other serious diseases like lung cancer. Diabetes mellitus, hypertension, hypercholesterolemia etc. can be controlled by regular exercise, diet regulation and proper medication.

Congenital Heart Disease

Eight out of 1000 live newboms have congenital heart disease. Though majority are simple problems, there is a sizable number which contribute to disability and death. Advances in the field of medical technology and care are laudable but it is adding to a tremendous financial and psychological burden to the family.

Exact reasons for the deranged development of foetus leading to occurrence of congenital heart disease are not identifiable in more than

95% of cases; hence prevention of this disease entity is also difficult. Nutritional deficiencies, inadvertent use of drugs, exposure to X rays and infections during early pregnancy are the identifiable factors which can be easily taken care of by appropriate caution, care and prevention strategies. However in majority of cases the exact cause is not identifiable and hence prevention of CHD is not an easy task. Familial background and propensity for existence of CHD in certain types of disease entities (e.g. Mongolism) contribute to occurrence of CHD. This can be tackled to a great extent by proper parental counseling. Recent advances in detection of CHD during foetal life itself by newer diagnostic modalities (eg: foetal echocardiography) have made the outcome brighter.

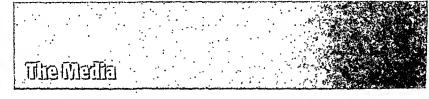
Rheumatic Heart Disease

Throat infection by specific bacteria (streptococcus) in school children leads to development of a disease entity called acute rheumatic fever. During an epidemic of streptococcal throat infection about 3% of affected children may develop acute rheumatic fever within 2 weeks of the infection. As an immunologic sequel to the infection, rheumatic fever manifests as fever, pain and swelling of multiple major ioints (shoulders, elbows, wrist, hips, knees, ankles), involuntary movements (called chorea), red patches over skin and small nodules underneath the skin. About half of the affected children will have involvement of heart in the form of inflammation (carditis). As a consequence of the carditis these children can develop atnormality of the heart valves in the form of rarrowing (eg: mitral stenosis - narrowing of the valve between the two left heart charriers, left atrium & left ventricle) or inacorportate cicque of the valves leading to regurgitation of blood from one chamber to another (e.g. micral regurgitation). Many times these acromaties are mild; however severe forms of valve disease can produce troublesome symptoms (breathing cittouty, pacitation, swelling of feet

etc) and disability. Advances in the field of surgery and non surgical techniques have resulted in a very bright future for these patients.

More important than the fact that effective treatment is available for those with established rheumatic valvular heart disease is the reality that the disease entity is preventable. As the disease is secondary to a simple bacterial infection, prevention and prompt treatment of such infection can prevent an episode of rheumatic fever. Good environmental conditions, prevention of overcrowding, healthy hygienic care of children etc. can prevent the infection to a great extent. Even

if throat infection develops, if it can be taken care of immediately with simple antibiotic therapy, occurrence of rheumatic fever can be prevented. Once rheumatic fever has occurred, recurrences have to be prevented by regular periodic administration of antibiotics like penicillin (as such children are prone to recurrence of rheumatic fever). Vaccines to prevent development of the entity are also being evaluated. The fact that the incidence of rheumatic fever and rheumatic heart disease have come down drastically in Central Kerala is a proof for the concept that rheumatic fever is preventable.



ndia has a very active print and electronic media. The total number of newspapers and periodicals was 55,780 as on 31 March 2003.

Radio Broadcasting

Radio broadcasting began in India in the early 1920s. The first programme was broadcast in 1923 by the Radio Club of Bombay. This was followed by the setting up of a Broadcasting Service in 1927 on an experimental basis in Bombay and Calcutta. The government took over the transmitters and began operating them under the name Indian Broadcasting Service. It was changed to All India Radio in 1936.

All India Radio today has a network of 213 broadcasting centres covering 91.37% of the area and almost reaching the entire population of 100 crore. AlR broadcasts in 24 languages and

146 dialects. It has 149 medium wavefrequency transmitters, 55 high Frequency Modulation (FM) transmitters.

Television

Television transmission began in India from a makeshift studio in the Akashvani Bhawan in New Delhi on 15th September 1959. A 500 watt transmitter carried the signal within a radius of 25 km. around Delhi. However, a regular service with a news bulletin became a reality only in 1965.

After seven years, the second television centre commenced service in Bombay. By 1975 TV service was available in Kolkata, Chennai, Srinagar, Amritsar and Lucknow. Colour transmission was introduced during the Asian Games held in New Delhi in 1982.

Top Dailies in India

Rank	Publication	Language	Circulation
1.	Dainik Jagran	Hindi	23,80,145
2.	Dainik Bhaskar	Hindi	19,42,525
3.	Malayala Manorama	Malayalam	13,95,191

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	Ananda Bazar Patrika	Bengali	12,38,965
	Hindustan Times	English	12,35,319
٠.	The Hindu	English	11,81,500
•	Hindustan	Hindi	10,10,606
	Eenadu	Telugu	10,50,659
	Mathrubhumi	Malayalam	10,40,183
0.	Rajasthan Patrika	Hindi	9,91,797
	W	eeklies	
	Malayala Manorama	Malayalam	7,98,194
	Mangalam	Malayalam	4,71,938
	Ananda Vikatan	Tamil	4,38,742
•	Balarama	Malayalam	2,95,527
	Mathrubhumi Thozhilvartha	Malayalam	2,63,387
	Fortnightlie	s & Monthlies	
,	Saras Salil	Hindi	9,19,660
: .	Vanitha	Malayalam	5,44,575
١.	Grih Shobha	Hindi	3,61,798
	Meri Saheli	Hindi	3,79,706
	Grehlakshmi	Hindi	2,87,932
	An	inuals	
,	Kalnimay	Marathi	52,02,635
<u>!</u> .	Kalnimay '	Hindi	6,24,839
}.	Mallige Panchanga Darshini	Kannada	2,82,794
١.	Manorama Yearbook	English	2,07,594
5.	Sharadia Bartaman	Bengali	1,61,787

Audit Bureau of Circulations, July-Dec. 2005.

Mudicand Dance

usic is one of the oldest and finest forms of human expression. Music can be divided into Western classical, Hindustani classical, Carnatic classical, Folk, Jazz, Pop, Fusion, etc. The main schools of classical music. Hindustani and the Carnatic, continue to survive through oral tradition being passed on by teachers to disciples. This has led to the existence of family traditions called gharanas and sampradayas.

A new form of Hindustani music known as Khayal emerged during the 13th & 14th centunes. This style gave an entirely new dimension to Hindustani classical music tradition. Amir Khusro is considered the proponent of this style. Thyagaraja, Muthuswami Deekshithar and Shyama Shastri are popularly known as the trinity of Camatic music.

The pivotal concept of Indian music (Camatic and Hindustani) is Raga (melody). Ragas are made of different combinations of sapta (seven) swaras: Sa Sadjam; Ri Rishabam; Ga Gaandhaaram; Ma Madhyamam; Pa Panchamam; Dha Dhaivadam; Ni Nishadam.

In Western classical, piano one octave consists of twelve notes whereas in Indian music the same octave contains 22 (srutis) notes. The twenty two srutis are called Siddha, Prabhavati, Kantha, Suprabha, Shikha, Diptimati, Ugra, Hladi, Nirvini, Dira, Sarphara, Kshanti, Hridayonmulini, Visarini, Prasuna, Vibhuti, Malini, Chapala, Vala, Sarvaratna, Sitantaj and Vikalini.

Swara is generally defined as a note whereas sruti constitutes the macrotonal intervals between two swaras. The nuances of these can be best understood in prayoga (practice) rather than theory.

Taala is defined as rhythm. But in vocal music or instrumental music taala plays a creative and organic part in bringing out the essence and elevating the musical expressions to new dimensions. The major taalas are Aadi Taala, a cycle of eight maathras (beats), Chautal or Eaka Taal consisting of twelve maathras mostly played on the Pakhawaj, Jhaptal consisting of ten maathras, Roopak taala of seven maathras, and Teen Tala of sixteen maathras.

Violin is a widely accepted musical instrument of foreign origin which has an unavoidable presence in Indian classical music.

Some of the famous musicians

Ariyakudi Ramanuja Iyengar (1890-1967) • Maharajapuram Viswantha Iyer (1896-1970) • Papanasam Sivan (1890-1973) • Mysore Vasudevachariar (1865-1961) • Madurai Mani Iyer (1912-1968) • M.D. Ramathan (1923-1984) • Chembai Vaidyanatha Bhagavatar (1896-1974) • Pt. Vishnu Digambar Paluskar (1872-1931) • Ustad Faiyaz Khan (1886-1956) • Pt. Omkamath Thakur (1897-1967) • Ustad Bade Gulam Ali Khan (1903-1968) • Pt. Malliakarjun Mansur (1910-1992) • Kumar Gandharva (1924-1992).

Some of the famous instrumentalists

Sarod: Ali Akbar Khan, Allauddin Khan, Amjad Ali Khan, Buddhadev Desgupta, Bahadur Khan, Sharan Rani, Zann S. Sharma

Tabla: Alla Rakha Khan, Kishan Maharaj Nikhil Ghosh, Zakir Hussain

Violin: Baluswamy Dikshitar, Gajanan Rac Joshi, Lalgudi G. Jayaraman, M.S. Gopala krishnan, Mysore T. Chowdiah, T.N. Krishnar

Shehnal: Bismillah Khan

Sitar: Nikhil Banerjee, Ravi Shankar, Vilaya Khan, Hara Shankar Bhattacharya

Flute: Hari Prasad Chaurasia, Pannala Ghose, T.R. Mahalingam

Veena: K.R. Kumaraswamy lyer, Dorai swamy lyengar.

Dances

Dance in India has an unbroken tradition of over 2000. Two main divisions of its forms are classical and folk. Classical dance forms are based on ancient dance discipline and have rigid rules of presentation. Important among them are Bharata Natyam, Kathakali, Kathak, Manipuri, Kuchipudi and Odissi.

Folk dances of India vary according to the region and have no specific grammar. They fit in with the scheme of festivals in each region.

Some of the famous dancers

Bharatnatyam: Bala Saraswati, C. V. Chandrasekhar, Leela Samson, Mrinalini Sarabhai, Padma Subramanyam, Rukmini Devi, Sanyukta Panigrahi, Sonal Mansingh, Yamini Krishnamurthi

Kathak: Bharati Gupta, Birju Maharaj, Damayanti Joshi, Durga Das, Gopi Krishna, Kumudini Lakhia, Sambhu Maharaj, Sitara Devi

Kuchipudi: Josyula Seetharamaiah, Vempathi Chinna Sathyam

Manipuri: Guru Bipin Sinha, Jhaveri Sisters, Nayana Jhaveri, Nirmala Mehta, Savita Mehta

Odissi: Debaprasad Das, Dhirendra Nath Pattnaik, Indrani Rahman, Kelucharan Mahapatra, Priyambada Mohanty, Sonal Mansingh.

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UR Ananthamurthy

have made a thorough survey into the is sue of the closure of a large number of Government schools in Kerala. The former Chief Minister, Mr. A.K. Antony, had invited me to be chairman of a committee to study this issue. One of the things which the government thought was ailing the system was the closing down of a large number of government schools and these schools had protected teachers. The other notion was that there was a fall in population in Kerala and there were not as many children, as they were, to attend school. But I found this to be a wrong assumption. Most children attended private schools because they wanted English. Parents, who could afford it, sent their children to private schools.

I also found that most private schools were staffed by teachers who were not as good as government school teachers, who were not only far superior in their teaching methods, but also continued to receive further training. English, as a language, was taught in government schools only from standard V. Hence, parents were ready to sacrifice good education, which they were getting in government schools, for very poor education being imparted in many English-medium private schools.

One of my suggestions to the government of Kerala to put an end to this was to give students, in government primary schools, English from standard I. Children need not be taught to read or write English because English is a very irrational language as far as writing skills are concerned. If you learn the Malayalam alphabet, you can read

Malayalam. If you learn the English alphabet, you cannot learn English. Hence, I suggested that children be taught to speak English, not read/write the language. I even suggested that teachers use subjects like cricket to get children to speak the language. Let the teacher initiate some discussion in English on the game of cricket. Give everyone a feeling that English can be domesticated and used. Making all kinds of mistakes does not matter because it is just another language for standard I students. Middle class parents would then send their children to good government schools. I also found that there were a couple of government schools in Trivandrum, which were sought after by parents, because many officials sent their children to these schools and ensured that the schools were good. I presumed that if all our children went to the same kind of school, a neighbourhod school, parents would take some interest in improving the school.

Common School Legislation

Nothing will improve the schools until we bring in the Common School legislation. If it is difficult to legislate for a common school, we can do two or three things. One, give common schools English from Standard I so that children, particularly in Kerala where they need a language skill because they cannot get jobs in their home state, get access to the English language. However, we could teach all other subjects in Malayalam because the learning skills are quicker in one's own language. After a certain level, if children have to shift to English medium, they will shift eas-

ily, without any trauma. Now, there is a trauma in shifting to the English medium after class X or so. Another concrete suggestion, which would find acceptance among middle class parents, is to ensure that in all English medium schools, one of the subjects should be taught in the mother tongue. I say this because boys and girls are now divided into classes-poor vs rich, underprivileged vs privileged. Let's not do that. Even privileged children, who attend English medium schools, should learn at least one subject in their own language. I suggested Humanities or Social Sciences because the only concern of most parents is that their children ultimately enter the IITs or medical colleges! So, they want only Science and Mathematics in English. This is a compromise. I am not saying that it is an ideal solution, but we can not remove English medium schools as the minorities have a right to start their schools. However, we can at least ensure that children's skills in Humanities are

There is a central legislation contemplated that children should not have to travel a long distance to attend school. It is a legislation that all private schools have a certain percentage of students from the neighbourhood. These children should be enrolled automatically and not through "interviews" because interviews for such young children are meaningless and every child has the right to education. As for the fees, because many parents may not be able to afford private school fees, the government should give private schools whatever money they had earmarked for these children in their own schools.

developed in their mother tongue.

Concepts such as teacher training will not work unless parents take an active interest and have a stake in their children's schooling. Parents will take an interest only when those who have a stake in education send their children to government schools.

There is some corruption also in the appointment of teachers. I have heard from teachers of aided schools in Kerala, where the salary is paid by the government but where teachers are selected by private school managements, that they had to pay between Rs.5-10 lakh to get a post. So I proposed, in my recommendations which are still pending before the government, that all teachers be selected through Public Service Commission. The managements of private schools should be allowed to choose teachers from this selected list. We hope, then, that there would not be much corruption.

If possible, a few other legislations can be made if there is a will. A teacher should be appointed to a particular school. This will ensure that teachers are not transferred frequently. A school develops because of the commitment of teachers who stay there for a few years. Those who have a need for the jobo know that they have to stay on at the place of their posting. It is a commitment which they must make, willy-nilly. It does not mean that the school should become a prison for the teacher! The fact remains that certain schools in backward areas never get teachers. The appointed teachers use their political influence and get transferred to a cushy place.

Creation of Knowledge

We have a wrong notion of education. We believe that education is knowledge transfer from the teacher to the students. Hence, there is a lot of learning by heart. I found whether in Kerala, Karnataka or anywhere in India, memorizing is a skill which is very useful In music, in poetry, in theatre but utterly useless in Science! The mode of instruction should be creation of knowledge, rather than transference of knowledge. The teacher and the students should create knowlege, together. I know of an instance where a child was very bothered that he could not see the moon at all on a particular day of the month! If a child is so bothered about the moon's disappearance, then there is immense poten-



tial to teach astronomy to the child. We have to nurture a child's natural curiosity.

Even our President makes a mistake. He thinks that computers can help us. Not computers, but our fingers and our hands can help us. I would encourage a child to bring a broken radio to the classroom and take it apart further, before putting it together. We should create knowledge that stays with the child. This needs a different kind of approach where textbooks will disappear. What ails education everywhere is this business of textbooks. There is a lot of corruption involved in writing textbooks. So, bad textbooks are written. Children's education is postponed because textbooks are not ready, on time. We can do away with textbooks and instead have workbooks for the guidance of the teacher.

Many of the best schools, in Kamataka or Kerala, do not have a library. A library is not merely a place where you read/borrow books. There should be audio-visual equipment which the children can use to listen to music or play games. Audio-Visual equipment helps because at one time the ratio between the teacher and the pupils was good and strictly followed. Now, there are more pupils and few teachers. We can deal with the problem of lack of teachers in some schools, by using audio-visual equipment, wisely. Library hours must be shown in the time-table. Children should be able to pull out any book they want and read what they want. When schools choose their staff, the librarian must be seen as a very necessary person. What happens in most schools is that some teacher is given library work. This teacher uses the library only in his/her free time.

Today, a school is detached from its surroundings. This was not so in the past. Villagers went to a school teacher with their everyday problems. A village school teacher would read/write their letters. A teacher, in the past, was a part of the community. To improve school education in India, the first thing we should do is stop blaming teachers.

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Blaming the teachers has become a grexcuse for us not to do many things. should make use of local resource people there is a good story teller in a taluka/villar make her a visiting teacher. She may not hany degree. She may even be non-literate does not matter. One of the skills, fast dispearing in our school system, is the capacto tell stories. Children don't know how tell stories. Story-telling, music and theas should be important components of teschool curriculum. To develop cultural skin children, we should use people in the comunity such as good singers, talented that the people and gifted story-tellers.

There is a problem in every school whe we evaluate a student. Students are usual marked on their mathematical and memorishles. First class or Second class is meaningle as far as the child's ability to learn is concerned. There is a subtle thing that can be done to change this. Sometimes, I find that the most mischievous student, who may not do well in English/Mathematics/Science, is the one who can dance; who can perform many tricks and who is a very good mimic. If cultural skills are made a part of the curriculum-extra curricular and co-curricular are very wrong words to use, please drop these words—it helps to draw the overall protrait of the child.

'Maths, a Birthright'

Regarding Mathematics, which is often considered a bugbear, we should adopt the slogan 'Mathematics is the birthright of every child.' As a teacher, do not assume that Mathematics is only for the skilled ones.

Take want the SSLC exams to be removed.

Quite a few unnecessary deaths happen because of data X board exams. There should be a rule that students who are in case X will go to class XL. Stuff a student wisher to ease his, her present student to eith another student, then there can be an examition at the students where they are graded, not mathem. We take

make many innovations. To overcome the weaknesses of many schools, we can make "clusters" of schools. A school cluster could help in the evaluation of teaching methods and improvement of teachers' skills. Evaluation is not an ultimate judgement to be passed on the student. Instead, it is part of the creative process of teaching and learning.

The Right to Education should apply till class XII. There should be a long period to develop children's skills. In class XI and XII, if art has been made part of the cumculum, some extraordinarily gifted children should be able to opt for cultural subjects. I had some experience of this when I was in Kerala. The parents of a boy called Shankaran Namboodin, now a very famous vocalist, came to me and said their son was short of attendance and would not be able to take his exams. I told them the whole idea was silly! I believed that Shankaran Namboodiri had as much of a right to take the exam as much as he had to create music. Why should we think that what he is doingcreating music-is meaningless and a waste? We should change the whole idea of education so that all skills are accounted for.

These are some measures which can succeed only if we have faith in the Common Schools where children of various capacities and abilities learn together. It is a challenge for teachers to devise methods by which they can cater to slow learners and fast learners.

More than any other state in India, I think Kerala is at the take-off point. It has achieved full literacy. In the Muslim districts, where I had some of my best meetings, people were very eager that their children received regular, mainstream education. They wanted their daughters to attend school. So far as people's attitudes were concerned, there was no problema t all. The Muslims were very eager for mainsteam educaiton although they wanted their 'madrasas'. They were willing to make adjustments between the 'madrasas' and the mainstream school. When you have that

kind of willingness of the people, then there is no real problem.

The problem is with us. In our desire to maintain a certain kind of class system in having different kinds of schools, we do not pay enough attention to common schools. There is a lot for every child to learn from another child, in a common school. We should treat children as equal; as capable of any learning. Assumptions that children from affluent families are better than children from low income families are not well tested. There may be other psychological factors that make children, from low income families, slow learners. It is the responsibility of the school to overcome such problems. Then, there will be fewer drop-outs.

Children Belong to Society

Children belong to the whole society and not merely to their parents. A child cannot be abused. Making a child travel in a bus for 2 hours to reach school is an abuse. We should stop this. Neighbourhood schools are a good solution in a country like India where there is such a variety of people, castes and classes. If one has to have the sense of being an Indian citizen at the end, you need 'mixing' in schools.

I have talked to great creative people in Kerala like Adoor Gopalarkishnan and M T Vasudevan Nair and they agree with me that what made them creative is partly the fact that they went to a common chool. I came from a very orthodox family. In my village, I used to wear a shirt to school and an 'angavastram' at home. I would hang my shirt on a nail when I entered the house. I believe and I say that I became a writer because of the shirt I wore, but not because of the 'angavastram'. The shirt I wore brought me in touch with children from other castes. It was another world altogether compared to my world at home. This is not happening now.

The kind of world, which children are exposed to at school, especially at the present, is a replica of their world at home. They meet

who have the same toys and tools. In the damages the learning process, go is also about learning how to live in all the country like India. The poor have eat survival skills and our rich children ome to know these skills. If our chile not street-wise, it means there is ing lacking in their education.

rtunately, there is a lobby against on schools; a very strong lobby of prinools, especially in Kerala. To empower nmons chools, we should teach spoglish. Everyone sees that those who nglish get everything done, relatively When I recommended this, there was mpt to make it seem as if I were speak-

ing for English. It is not so. The Indian languages have always had to struggle—first with Sanskrit, now with English. Children need access to whatever is power today. We may enticize it, but the fact remains that knowing English is power today. But we must be conscious of the kind of English we wish to promote. English today is not a gateway to knowledge as it used to be in our times. Today, it's a language of the market forces. We must be aware of the dangers of this.

Our ideal should be Central Schools. In India, the Central Schools, with all their faults, have a certain achievement which every government school should aim at.

(As told to Kavitha Srinivas)

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Jacob Easow, Engineer-Planner Senior Town Planner, Department of Town and Country Planning, Kerala

city, throughout the developing world in a sense, the sign and the success of velopment process. Its success reflects idity of Town Planning principles and gies. Its failure and the resulting frustinational chaos, environmental degen, unemployment and poverty, hund distress, bankruptcy, etc. point to the less and contradiction of the whole sys-

fashionable these days in the developorld to condemn urbanisation as a costly indesirable phenomenon, and urban th as a menace. The large city is indeed dered as the symbol of the relative failurban planning. Urbanisation is ineviwhen pressure on land is high, agriculincome is low, and population increase tessive. Even where rural jobs are available, drift to cities occurs, as it offers a promise of economic opportunity and social mobility. It should be recognized that urbanization is not a calamity but a necessity. Urbanisation is a positive force and urban growth is an impetus to development. Both accelerate industrialization to some extent, they permit change in the social structure by raising the level of human aspiration, facilitate the provision of public services to a large sector of the population, and make possible increased economic opportunities and improve living conditions for those people who remain in the rural areas.

The positive role of urbanisation can be materialized only if the cities are economically viable and capable of generating economic growth in a sustained manner. Urban and Regional Planning should be given due

consideration for building our cities / settlements as vibrant centres.

The Plan

In order to translate long-range goals and short-term objectives for the orderly development of a planning area, a tool (with technical guide lines and legal backing) is used by the town planner and this tool is known as 'Plan'. This Plan is a guideline or blueprint for the future development of the area. These Plans are known variously as 'Master Plan', 'Development Plan' 'Comprehensive Development Plan', General Plans' 'Structure Plan' etc, depending on the type of planning approaches and concepts. Plans are prepared in various hierarchies like region, city/town/village, and local.

Urban and Regional Planning process is a research-oriented exercise. It comprises two principles namely, theory in planning and theory of planning, former means the concepts taken from other disciplines and latter the concepts derived or arrived from the analysis of an existing settlement.

Ideals of Planning

Garden City Concept: This concept was defined in 1919 by the Garden City Association in agreement with Ebenezer Howard, the Father of the Garden City: "A Garden City is a Town designed for healthy living and industry; of a size that makes possible a full measure of social life but not larger; surrounded by a rural belt; the whole of the land being in public ownership or held in trust for the community". It is not a colony, but a complete working city for a population of 30,000 and more with a large central park containing public buildings surrounded by a shopping street. The central park and shopping street are surrounded by dwellings in all directions at a low density. The outer circle of factories and industries and the whole is surrounded by a permanent green belt.

La Ville Contemporaine (Concentric City): The City of Tomorrow for 3,00,000 people was proposed by Le Corbusier in 1922. This scheme was a city of magnificent sky scraper towers surrounded by broad and sweeping Sixty-storey office buildings open space. accommodating 1,200 people per acre and covering only 5% of the ground area were grouped in the heart of the city. The hub of the transportation centre consists of motor and rail lines, the roof of which is the airfield. Surrounding the skyscrapers was the apartment district, eight-story buildings arranged in zig-zag rows with broad open spaces. Outskirts were laid with the garden cities of single family houses. The residential zones contain schools, shopping centres, and recreational facilities.

Neighborhood Concept: Lewis Mumford in the book 'The Culture of Cities' (1938) advocated 'Neighborhood Unit Concept'. Usually a neighborhood unit is defined based on a set of social relationships. The physical size is determined by the convenient walking distance for children between the farthest house and the school and playground in which a major part of their activities are focused.

Masterpieces from India

Jaipur: The city of Jaipur, the Pink City, can be described as a good example of a planned city. The city was built in 1753 on a carefully prepared plan, broad avenues and public buildings. Sawai Ramsingh gave the city its universal pink colour. Jaipur has originally well laid roads with geometric precision and arithemetic accuracy, systematically open squares and fountains.

New Delhi: The capital of Indiawas planned in 1911 by Sir Edward Lutyens and Sir Herbert Baker from England. It is laid out in the Versailles style of Renaissance.

Chandigarh: Chandigarh may be said to have started a new movement in the plan-

ning of towns and public buildings in India. The famous architect-planner of French origin Le Corbusier in collaboration with Maxwell Fry and Jane Drew of England and P.L Varma, chief engineer of the state prepared the master plan of Chandigarh. The city is planned for a population of 500,000 and conceived as a human body. Thus placed the Secretariat building and the Legislature Complex, being the head and the brain of the city. at the top (northern end). Industries were placed at the southern end, to give a strong footing or base to the city, as the legs do. The city-centre being the heart was placed at the centre. The entire communication system was conceived as arteries and blood vessels, to interconnect the various parts of the city and to facilitate the smooth flow of men and materials.

Recent Trends

Sustainable Development Approach

Since the presentation of the Brundtland Commission's report Our Common Future in (WCED, 1987), the term 'sustainable habitat' (sustainable urban development) has been increasingly used by Urban Planners. Different physical solutions have been launched as models for a sustainable city/ habitat. Also, different procedures have been recommended to lead current town plan and development on to a more sustainable course.

Several dimensions of physical form and spatial structure are discussed in the light of the main criteria of a sustainable development. If a sustainable development is to be achieved, it is necessary to avoid further urban sprawl. Low density, dispersed cities can hardly be energy efficient. Therefore a strategy for more compact cities was proposed with long-term and global goals. The Plan in this approach is termed as sustainable development plans.

Smart Growth and New Urbanism
Perhaps the most valuable tool in the Smart

Growth toolkit is New Urbanism, While Smart Growth principles support higher density, mixed-use, walkable environments, New Urbanism is proving to be the most successful method for making these Smart Growth goals achievable. New Urbanism is an urban design movement that aims to reform urban planning and real estate development toward building more human-scaled and walkable communities. It is a reaction against the predominant development pattern of the mid-to late-20th century-low-density, generic development types that are separated by use and tied together by roadways and parking lots. New Urbanism is strongly influenced by the traditional urban patterns that dominated up to the 1920s, although it modifies these patterns to address the contemporary realities of the demand for larger homes, the greater use of automobiles and large scale retail formats. It reforms the design of built environment, and is about raising the quality of life and standard of living by creating a better place to live. Urbanism is the revival of our lost art of place-makeup and is essentially a reordering of the built environment into the form of complete cities, towns, villages and neighborhoods. New Urbanism implies fixing and infilling cities, as well as the creation of compact new towns and villages. The principles of New Urbanism are

Walkability-Most things within a 10 minute walk of home and work

Connectivity – Pedestrian network
Mixed-use and diversity
Mixed housing
Quality architecture and urban design
Traditional neighborhood structure

Smart Transportation – A network of highquality train

Sustainability – Minimal environmental impact, Eco-friendly technologies, Energy efficiency, more local production more walking,

less drivina

Quality of Life. Enrich, uplift and inspire the human sprints.

Participatory Spatial Planning

Fnactment of constitution 73rd and 74th Amendment Act in 1992 was the major event in democratic decentralization in India. The state of Kerala, well known for imparting education, healthcare, public distribution system, etc down to grass-root level, has been a pioneer on decentralized planning also. In 1996, a new planning process was introduced in Kerala through the launching of people's campaign for decentralized planning, popularly known in Malayalam as 'Janakeeyasoothranam'. People's planning campaign was successful in terms of both participation as well as allocation of funds but lacked scientific skill of development planning such as spatial planning techniques and use of modern technologies. Such an innovative experiment for the preparation of development plans is now being implemented as a pilot project in Kollam District of Kerala State. The basic concept was designed in 2003 by the Department of Town Country Planning, Kerala,

In this concept two level plans are prepared simultaneously- one at the lowest tier of local government (Panchavat / Municipalities) i.e.Local Development Plan (LDP); and other for the District as a whole, an Integrated District Development Plan (IDDP). Here, the direct participation of people is ensured through village/ward sabhas and various working groups ensure the balanced involvement of elected representatives, government departments, NGOs, stakeholders, etc. This is the uniqueness of this participatory town planning process. Unlike other spatial plans prepared in this country, specialty of IDDP and LDP is that the sectoral polices of various development agencies of the planning area are translated to spatial plans. The concept of the planning process based on a combination of top-down and grass-root-up approach is a good example for multi-level planning. Thus 100 percent planning of the district, both in regional level(IDDP) and settlement level (87 LDPs), for Kollam is expected to complete by the end of 2006, which will become a model for other districts of India.

Planning of Early Towns

Ur-Babylon, Khafage and Eshnunna are good examples of oldest organized settlements in Euphrates and Tigris river basins. Description by Herodotus on Ur-Babylon says that it extends to an area of 1400 acres with a population of 2000 in a square pattern 120 furlong each way. Roads are all straight and in grids with bronze gates at entry. A river cuts the city into two but is surrounded by a great wall. Another great wall encircles the city centre. Royal Palace and ziggurat (Temple), located face to face on the bank of the river is surrounded by a wall. Ziggurat is one furlong square built with clay bricks and having eight storeys. Primary communica-

tion of town is by water.

In the Indian Sub-continent, towns like Mohanjodaro and Harappa of the Indus Valley civilization are the most important. Carbon test of the excavation reveals the approximate period of the civilization as 3000 BC or earlier. Historians claim that the identifiably independent culture at Mohanjodaro and Harappa was marked by developments of wheels, use of metals, knowledge of arithmetics, use of coinage, art of expression and representation, and architecture and planning techniques. Both towns are located along the trade routes of the Indus River.

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te/UTS	Capital	Governors	Chief Ministers
lhra Pradesh	Hyderabad	Rameshwar Thakur	Dr. Y.S. Rajasekhara Reddy
nachal Pradesh	Itanagar	Shilendra Kumar Singh	Gegong Apang
m	Dispur	Lt.Gen.(Retd.) Ajai Singh	Tarun Kumar Gogoi
ır	Patna	R.S. Gavai	Nitish Kumar
nattisgarh	Raipur	Lt. Gen.(Retd.) K.M. Seth	Dr. Raman Singh
1	Panaji	S.C. Jamir •	Pratapsingh Raoji Rane
arat	Gandhinagar	Nawai Kishore Sharma	Narendra Modi
yana	Chandigarh	Dr. A.R. Kidwai	Bhupinder Singh Hooda
nachal Pradesh	Shimla	Just. Vishnu Sadashiv Kokije (Retd.)	Virbhadra Singh
ımu & Kashmir	Srinagar (Summer) Jammu (Winter)	Lt. Gen. (Retd.) S.K. Sinha	Ghulam Nabi Azad
rkhand	Ranchi	Syed Sibtey Razi	Madhu Koda
mataka	Bangalore	T.N. Chaturvedi	H. D. Kumaraswamy
rala	Thiruvananthapuram	R.L. Bhatia	V. S. Achutanandan
dhya Pradesh	Bhopal	Balram Jakhar	Shivraj Singh Chauhan
harashtra	Mumbai	S.M. Krishna	Vilasrao Deshmukh
nipur	Imphal	Dr. Shivinder Singh Sidhu	Okram Ibobi Singh
ghalaya	Shillong	NI.M. Jacob	J. D. Rymbai
zoram	Aizawal	Lt. Gen. (Retd.) M.M. Lakhera	Zoramthanga
galand	Kohima	Shyamal Datta	Neiphiu Rio
issa	Bhubaneswar	Rameshwar Thakur	Naveen Patnaik
njab	Chandigarh	Gen (Retd.)S.F. Rodrigues	Captain Amarinder Singh
jasthan	Jaipur	Smt. Pratibha Patil	Smt. Vasundhara Raje
kim	Gangtok	V. Rama Rao	Pawan Chamling
mil Nadu	Chennai	Surjit Singh Bamala	M. Karunanioni
pura	Agartala	Dinesh Nandan Sahaya	Manuk Sarkar
tar Pradesh	Lucknow	T.V. Rajeswar	Mulayam Singh Yadav
taranchal	Dehradun	Sudershan Aganval	Narain Butt Tiwari
est Bengal	Kolkata	Gopal Krishna Gandhi	Buddhadev Bhattacharya
	Nati	onal Capital Territories	
pital Territory	Capital	Lt. Governor	Crief Minister
elhi	Delhi	B.L. Joshi	Sett. Treia Siketit
nion Territories			
tate/UTS	Capital	Lt. Governors/Administrator	Cited Minister
ndaman & Nicobar	Port Blair	Lt. Gen. (Reid.) M.M. Lichera	
handigarh	Chandigarh	Gen.(Retd.) S.F. Roongues /Acministrator	
adra & N Havel	Silvassa	Rajnikant Verma (Administrator)	

Rajnikant Verria (Automorphism

Pajendra Kumar (Administrator)

Maket Mars

India, for administrative purposes, is divided into the national capital territory of Delhi, 28 states, and 6 centrally administered union territories.

States: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Iharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttaranchal, Uttar Pradesh, West 8engal.

Union Territories: Andaman and Nicobar Islands, Chandigarh, Dadra & Nagar Haveli, Daman & Diu, Lakshadweep, Pondicherry.

National capital territory: Delhi

Top 10 States of India - populationwise				
Rank State/UT	Population in 2001			
1. Uttar Pradesh	166,052,859			
2. Maharashtra	96,752,247			
3. Bihar	82,878,796			
4. West Bengal	80,221,171			
5. Andhra Pradesh	75,727,541			
6. Tamil Nadu	62,110,839			
7. Madhya Pradesh	60,385,118			
8. Rajasthan	56,473,122			
9. Kamataka	52,733,958			
10. Gujarat	50,596,992			
UTs				
1. Pondicherry	973,829			
Chandigarh	900,914			
3. Andaman and Nicoba	r Islands 356,265			
4. Dadra and Nagar Have	eli 220,451			
5. Daman and Diu	158.059			

States of India - areawise

Rank State/UT Size	(Area in Sq. km.)
1. Rajasthan	342,236
2. Madhya Pradesh	308,144
3. Maharashtra	307,713
4. Andhra Pradesh	275,068
5. Uttar Pradesh	238,566
6. Jammu and Kashmir	222,236
7. Gujarat	196,024
8. Karnataka	191,791
9. Orissa	155,707
10. Chhattisgarh	135,194
UTs	
1. Andaman and Nicobar I	slands 8,245
2. Delhi	1,48:
3. Puducherry	49;
4. Dadra and Nagar Have	li 49'
5. Chandigarh	14

Beginning of States & UTs

The period between 1947 and 1950 w nessed the consolidation of the former prince states into new provinces, usually governed a Rajpramukh, (Governor) appointed by Governor-General of India. In 1950, the Ind constitution took effect, the office of the C emor-General was abolished, and India ated several different categories of states

Part A states, which were the former p inces, were ruled by an elected governor state legislature. The Part A states (nine) Assam, West Bengal, Bihar, Bombay, Ma Pradesh (formerly Central Provinces and F Madras, Orissa, Punjab, Uttaranchal, and Pradesh (formerly United Provinces).

The Part B states (eight) were former p states or groups of princely states, go

y a Rajpramukh. They were Hyderabad, aurashtra, Mysore, Travancore-Cochin, Madya Bharat, Vindhya Pradesh, Patiala and East unjab States Union (PEPSU), and Rajasthan.

The Part C states (ten) included both former princely states and provinces. They were governed by a chief commissioner. The Part C tates included Delhi, Kutch, Himachal Pradesh, Bilaspur, Coorg, Bhopal, Manipur, Jimer, and Tripura.

J&K had special status until 1957. The undaman and Nicobar Islands was a territory, uled by a governor appointed by the Indian president.

The Frenchenclaves of Pondicherry, Yanam, Garaikal, and Mahe, were administered by India after 1954, formally becoming a Union Ferritory in 1962. Dadra and Nagar Haveli was occupied by India in 1954, and Goa, Daman, and Diu in 1961, and they subsequently became UTs.

In 1953, the Telugu-speaking portion of Madras state voted to become the new state of Andhra Pradesh, the first of India's linguistic states.

In 1956, when the States Reorganisation Act took effect, the distinction between part A, B, and C states was gone, and instead state boundaries were drawn along linguistic lines. The new states, mostly the former Part A states, were Assam, West Bengal, Bihar, Maharashtra, Gujarat, Kerala, MP, Madras, Mysore, Orissa, Punjab, Rajasthan, and UP. Delhi, Himachal Pradesh, Manipur, Tripura, Pondicherry, the Andaman and Nicobar Islands, and the Laccadive, Minicoy, and Amandivi Islands became Union Territories. The remainder of the states were merged into the new states or UTs.

Several new states and UTs were created out of existing states since 1956. Haryana was created in 1966 out of Punjab. The UTs of Arunachal Pradesh, Meghalaya, Mizoram, and Nagaland were created out of Assam. In 2000, 3 new states were created; Jharkhand was created out of Bihar, Chhattisgarh out of MP,

Facts about India •Standard time: 82°30'E•Most Populous

District: Medinipur • Least Populous District: Yanam • Most Literate District: Aizawl • Largest State (areawise): Raja-sthan • Smallest State: Goa • Most Populous State: UP • Least Populous State: Sikkim • Southern most point: Indira Point • Max. N-S distance: 3,214 km • Max. E-W distance: 2,933 km • Golden Quadrilateral connecting 4 metros: distance: 5846 km • Major Ports on coastline: 12: (181 others).

and Uttaranchal out of UP. The Kingdom of Sikkim was annexed to India as a state in 1975. In addition, several Union Temtories have become states, namely Goa, Arunachal Pradesh, Meghalaya, Mizoram, and Nagaland.

Before 1947

The British India, was made up of two types of states, the Provinces and the Princely states. Provinces were ruled directly by British officials, either a governor or a chief commissioner, who were appointed by the Viceroy. Princely states were ruled by local, hereditary rulers, who acknowledged British sovereignty in return for local autonomy. British India had 15 provinces: Ajmer-Merwara, Assam, Baluchistan, Bengal, Bihar, Bombay, Central Provinces and Berar, Coorg, Delhi, Madras, Northwest Frontier, Orissa, Punjab, Sind, and United Provinces. British India had hundreds of princely states, which differed in size, and with wide variation in population. Most of the princely states were under the authority of a British political agent responsible to the governor of a province, but the four largest princely states, Hyderabad, Baroda, Mysore, and Jammu and Kashmir, were directly under the authority of the Governor-General of India. The Portuguese and the French had territories in India: Portuguese occupied Goa, Daman and

Rank of States (Categorywise)

	-			Rank	COL	States (Car	-60	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
م.					Den	ity 1	Lit	eracy	SC	· ·	ST	
Rank	Popul	ation	Area					rala	UF	,	MP	
	UP		Rajast	than	Del			izoram	w	В	Mal	narashtra
1		arashtra	MP			andigarh		kshadweep	Bi	har	Ori	ssa
2	Biha	1	Maha	arashtra		ducherry	ı	02	A	P		jarat
4	WB		AP	1	Lal	shdweep	• -	oa handigarh	T	N		asthan
5	AP		UP	1		ıman & Diu	1	elhi	1	Maharashtra		ırkhand
3 6	TN		J&K	1	W			&N is.	R	ajasthan	1	hattisga
7	MP		Guja			har		uducherry	- 1	νP	AP	
8	1	asthan	Kan	nataka		erala	1;	Daman & Di	ul 1	Karnataka	W	_
9		nataka	Oris		U			Maharashtra		Punjab	1	arnataka
10		jarat		hattisgarh		unjab		HP	1	Orissa		som
11	1	, issa	I	mil Nadu	1 .	N N	- 1 '	TN		Haryana		leghalay
12	1	rala	Bih		ı	laryana D&NH	1	Tripura		Gujarat		lagaland
13	Jh	arkhand		est 8engal	ı	Jeinn Goa		Uttaranchal		Jharkhand		ΣK
14	ι.	som		unachal	1	Goa Asom	1	Manipur		Kerala	1	ripura
15	P	unjab		arkhand		Jharkhand	1	Punjab	1	Chhattisga		Mizoram
10		aryana		som	1	Maharashtra	١	Gujarat	- 1	Delhi	1 '	Bihar Maninur
1	7	hhattisgarh	Н			Tripura		Sikkim	1	Asom		Manipur Arunacha
1	8 [)elhi	1	Ittaranchal	-	AP		WB	1	Uttarancha		Arumaciio TN
1		&K		unjab	1	Karnataka		Haryana		HP	- 1	rin Kerala
1	20	Uttaranchal	1	Haryana	1	Gujarat		Karnataka		J&K		Uttaranc
	٠. ١	HP	1 '	Kerala Meghalaya	.	Orissa		Nagaland		Tripura	. \	HP
	22	Tripura	•	Manipur	١,	MP		Chhattisg	arh	Chandiga		D&NH
j	23	Meghalaya	1	Mizoram	- \	Rajasthan		MP		Puducher	ту	Sikkim
j	24	Manipur	1	Nagaland	1	Uttarancha	ıt	Asom		Manipur		UP
,	25	Nagaland	1	Tripura	١	Chhattisga		Orissa		Sikkim		Lakshad
	26	Goa Arunachal		A&N Is.		Nagaland		Meghala	ya	Goa Meghala	va	A&N IS
	27	Puducherr		Sikkim		HP		AP		Arunach	al	Damar
	2B	1		Goa		Manipur		Rajastha	n	Daman		Į.
	29 ·	Mizoram		Delhi		Meghalay	a	D&NH		D&NH	<u> </u>	Punjat
	31	Sikkim	ľ	Puduche	пу	J&K		UP		Nagalar	nd	Chan
	32	A&N Is.		D&NH		Sikkim		J&K	h-1	Mizorar		Harya
	33	D&NH		Chandig		A&N Is.		Arunaci		Lakshd		Delhi
	34		Diu	Damana	xDiu	Mizoram		Jharkha Bihar	1114	A&N Is		Pudu
	35	1 -		Lakshad	wee	Arunach	al					-407/071
								ain ind	lene	ndent, but	thei	Ufetaem

Diu, and Dadra and Nagar Haveli, while French had 5 enclaves - Chandemagore, Yanam, Pondicherry, Karaikal, and Mahe.

India and Pakistan, in 1947, divided its provinces and princely states along religious lines. Hyderabad's Muslim ruler tried to remain independent, but the intervent Indian army made Hyderabad a par India and Pakistan contested for corpincely state of J&K because the Muslim majority, but its Hindu to India.

Andhra Pradesh

Date of Formation: 1 Oct. 1953 Andhra Part A state created from part of Madras; 1 Nov. 1956 Andhra Pradesh State.

Area: 2,75,069 sq. km. Capital: Hyderabad

Nelghbouring States/UT: Maharashtra, Chhattisgarh, Orissa, Karnataka, Tamil Nadu, Yanam (Pondicherry),

Population: 7,210,007; Males: 38,527,413; Females: 37,682,594; (a) Population Density: (persons per sq. km.): 277 (b) Sex Ratio: (Females per 1000 Males): 978

Literacy: (per cent): 60.5; Males: 70.3; Females: 50.4.

No. of Districts: 23

District	Area	Population	Head-
	(sq km)	(2001)	quarters
Rayalaseem	a Regio	n	
Anantapur	19,130	36,39,304	Anantapur
Chittoor	15,152	37,37,437	Chittoor
Cuddapah	15,359	25,92,048	Cuddapah
Kurnool	17,658	35,24,073	Kurnoci
Andhra Reg	lon		
E. Godavari	10,807	48,97,777	Kalanada
Guntur	11,391	44,55,445	Guntur
Kristina	8,734	41,81,071	Mudicipitum
Nellore	13,076	26,65,009	Nellore
Prakasam	17,626	30,54,921	Ongole
Snkakulam	5,837	25,31,752	Srikakulam
Visakhapatnam	11,161	38,16,820	V. Patnam
Vizianagaram	6,539	22,43,354	Vizianagaram
W. Godavari	7,742	37,99,213	Eluru
Telangana i	Region		
Adilabad	16,128	24,89,312	Adılabad
H, derabad	217	38,26,094	Hyderabad
Karimnagar	11,823	35,00,876	Karimnagar
Khammam	16,029	25,69,158	Khammam
Mahaboob			Mahabocb
nagar	18,432	35,09,182	ກາງວ່າເ
Medak	9,699	26,63,783	Sangareddy
Nalganda	14,240	32,45,400	Nalgonda
Nizaniabad	7,956	23,39,459	Nizamabad
Ranga Reddy	7,493	35,87,891	Hyderabad
Warrangal	12,846	32,41,864	Warrangal

VIIIages: 28123; Towns: 210 Governor: Rameshwar Thakur CM: Dr. Y.S. Rajasekhara Reddy Legislative Bodles: State Legislature: Unicameral - Seats: 294 (Reserved: SC-39, ST-15); Lok Sabha Seats: 42; Rajya Sabha Seats: 18 [The Parliamentary Standing Committee on Lawand Justice has recommended reinstituting Legislative Council under Art. 169. It was abolished in 1985.]

Main Political Parties: Indian National Congress, Telugu Desam Party, Telengana Rashtra Samithi, Communist Party of India (Marxist), Communist Party of India, All India Majlis-E-Ittehadul Muslimeen, Bharatiya Janata Party, Bahujan Samaj Party, Samajwadi Party

Seat of High Court: Hyderabad (Kurnool was the first capital of the Andhra state with the high court established at Guntur)

Chief Languages: Telugu and Urdu Major Religions: Hinduism, Islam, Chris tranity

Main Towns: Hyderabad, Secunderabad, Karimnagar, Sirpur, Visakhapatnam, Vijaya wada, Cuddapah, Kakinada, Anantapur, Adilabad, Warangal, Nellore, Rajahmundry

Geography: (a) Rivers Godavan, Krishna, Chitravati, Papagni, Musi, Pranhita, Wainganga, Banda, Tungabhadra (b) Mountains: (Mt. Range- Eastern Ghat). Nalamala Hills, Satmala Hills, Erramala Hills, Horsley Hills, Palikonda Range, Velikonda Range; (c) Plateau: Telengana, Golconda, Rayalasima, Srisailam, Nalgonda, Waraangal, Khammam; (d) Lake: Pulicat, Kolleru, Nagarjuna Sagar, Nizam Sagar. (e) Forest . 63,000 aq. km.

Economy: (a) Minerals: Chrysolite asbestos, barytes, copper ore, manganese, mica, coal and limestone. (b) Industries: machine tools, synthetic drugs, pharmaceuticals, heavy electrical machinery, fertilizers, cement, electronic equipment, watches, chemicals, asbestos, glass, etc.; (c) Agricultural Piowar, bajra, maize, ragi, smicastor, tobacco, cotton, and products are cashev, euca

Transport & C

Length: National h

n., and State highways cover 60,453 km. nere are 103,814 km of panchayati roads; i)RailwayLength: Railway routes cover 5,085 n; (c) Main Railway Stations: Hyderabad, ecunderabad, Guntakal, Warangal, Reni-

ecunderabad, Guntakal, Warangal, Reniunta, Vijayawada, Visakhapatnam; (d) Air-

orts: Hyderabad, Tirupati, and Visakhaatnam; (e) Ports: Visakhapatnam, Kakinada, lachilipatnam, Bheemunipatnam, Krishnaatnam, Vadarevu and Salinga-patnam.

Employment: ('99-00)- 30,614,000; Unmployment: ('99-00)- 8.03%.

Education: (a) Schools: 91453; (b) Colges:1536; (c) Universities: 28. Religious Places: Tirupati in Chittoor

istrict is famous for Venkateswara temple tu-ated on the hilltop Tirumalai; the temple f Sriramachandra, Bhadrachalam; the fallika-rjunaswami temple, Srisailam; the hobala temple, Srikurmam temple and the imha-chalam temple are other famous temles. Prashanthi Nilayamat Puttapurthi, is the bode of Sri Satya Sai Baba. Lepakshi, hahastupa (Amaravati), Mecca Masjid, the

Culture: (a) Dances: Kuchipudi; (b) Festirals: Samkranti - Jan (Harvest festival; Visakhaan; Shivratri - Feb/Mar; Ugadi - Mar (Telugu New Year); Mahakali Yatra and Mrigasiraun/Jul; State Formation Day - 1 Nov. Indusrial Exhibition - Jan/Feb.

argest mos-que in south India, are the other

Arunachal Pradesh

Date of Formation: 20 Feb 1987 State; 21 Jun 1972 Union territory created from part of Assam.

Area: 83,743 sq km Capital: Itanagar

ttractions.

Neighbouring States/Countries: usam, Nagaland, (countries) Bhutan, , dyanmar, China.

Population: 1,097,968; Males: 579,941;

Females: 518,027; (a) Population Density: 13; (b) Sex Ratio: 901

Literacy: 54.3; Males: 63.8; Females: 43.5. No. of Districts: 13

IO. OI BISHIELD: 13					
District	Area	Population	Head-		
	(sq km)	(2001)	quarters		
Changlang	4,662	1,24,994	Changlang		
Dibang Valley	13,029	57,543	Anini		
East Kameng	4,134	57,065	Seppa		
East Siang	4,005	87,430	Pasighat		
Kurung Kumey			Laying-		
			Yangte		
Lohit	11,402	1,43,478	Tezu		
Lower Subansiri	10,135	97,614	Ziro		
Papum Pare	2,875	121,750	Itanagar		
•			(Yupia)		
Tawang	2,172	34,705	Tawang		
Tirap	2,362	1,00,227	Khonsa		
Upper Slang	6,188	33,146	Yingkiong		
Upper Subansin	7,032	54,995	Daporijo		
West Kameng	7,422	74,595	Bomdila		
West Siang	8,325	1,03,575	Along		

Villages: 4,065; Towns: 17

Governor: Shilendra Kumar Singh

CM: Gegong Apang.

Legislative Bodies: State Legislature: Unicameral - Seats: 60 (59 seats reserved for ST); Lok Sabha Seats: 2; Rajya Sabha Seats: 1

Main Political Parties: Indian National Congress, Bharatya Janata Party, Nationalist Congress Party, Arunachal Congress...

Seat of High Court: Guwahati

Chief Languages: Monpa, Miji, Aka, Sherdukpen, Nyishi, Apatani, Tagin, Hill Miri, Adi, Digaru Mismi, Idu-Mishmi, Khamti, Miju-Mishmi, Nocte, Tangsa, Wancho.

Major Religions: Buddhism, Hinduism, Christianity.

Main Towns: Itanagar, Tawang, Bomdila, Ziro, Seppa, Daporijo, Along, Pasighat, Yingkiong, Anini, Tezu, Khonsa, Walong.

Geography: (a) Rivers: Siang (name of Brahmaputra), its tributeries - Lohit, Subansiri, Dibang, Kameg, Dikrong River (famous for watersports). (b) Mountains: Great Himalaya, Lesser Himalaya, Assam Shiwalik: Dafla Hills, Miri Hills, Mishmi Hills, Abor Hills Peaks: Shallum-4336, Ddaphabum-4578; (c) Pass

Bum La, Tse La, Tunga, Yonggyap, Diphu, Kumjawng, Hpungan, Chaukan, Pangasau (d) Forest: 60% of the state (e) Wildlife: Namdapha NP, Monling NP.

Economy: (a) Minerals: Coal, dolomite, marble, lead, zinc, graphite; (b) Industries: sawmills, plywood (these two trades however have been stopped by law), rice mills, fruit preservation units and handloom handicrafts; (c) Agricultural Products: Among the crops grown here are rice, maize, millet, wheat, pulses, sugarcane, ginger and oilseeds, Arunachal is also ideal for horticulture and fruit orchards. [Agriculture is the primary driver of the economy. Jhum, the local word for shilting cultivation, which was widely practised among the tribal groups has come to be less practiced. The forest-products are the next most significant sector of the economy

Transport & Communications: (a) Main Railway Stations: Bhalukpong; (b) Airports: Itanagar, Daparjio, Ziro, Along, Tezu, Pashigat.

Shopping: Handicrafts, jackets, bags, Sherdukpan shawls are very popular.

Education: (a) Schools: 1901; (b) Colleges: 9; (c) Universities: 1

Culture: (a) Dances: Popir, Aji Lama, Hiiri Khaning, Cham, War dance; (b) Festivals: Mopin, Solung, Lossar, Booriboot, Dree, Si-Donyi, Reh, Nyokum, Chalo-loku.

Asom (Assam)

Date of Formation: 26 Jan 1950

Area: 78,438 sq km. Capital: Dispur

Nelghbouring States: Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Tripura, Mizoram, West Bengal

Population: 26,655,528; Males: 13,777,037; Females: 12,878,491; Urban Population: 12.72%; (a) Population Density: 340; (b) Sex Ratio: 932.

Literacy: 63,3%; Males: 71.3; Females: 54.6

No. of Districts: 23

District	Årca	E. e. 122-24	
Divine	(sq.km)	Pupulation	14634
		(2001)	Q-Meri
Barpeta	3,245	16,42,420	Barreta
Bongagaon	2,510	906,31s	Bonjagaun
Cachar	3,786	14,42,141	Salt Aug
Darrang	3,481	15,04,000	مبلخوا تفاط
Dhemaji	3,217	56%.469	Cherry
Dhubri	2,838	16,34,552	Dista
D.brugarh	3,331	11,72,056	Darujah
Cos(para	1,824	822,306	Cita; ara
Colaghat	3,502	245,781	Collaphit
Hallakandi	1,327	542,978	Halistana
North Cachar Hal	1,883	186,189	Haritonia
Jorhat	2,851	10,09,197	Latuit
Kamrup	4,345	25,15,030	Cunstati
Karbi Anglog	10,434	812,320	Diplay
Karimganj	1,839	10,03,678	Karetejarg
Kolrajhar	3,129	930,404	kchrajbar
Lakhimpur	2,277	859,325 1	d, Lakhumpur
Mongaon	1,704	775,874	Mangach
Nagaon	3,831	23,15,387	Pedigades
Nalban	2,257	11,38,164	fea tian
S.bເລງນ	2,668	10,52,802	عدر هاطر
Scritpur	5,324	16,77,874	Tespas
Tinsulua	3,790	11,50,146	tinsula

VIIIages: 26,312, Towns: 125

Governor: Lt. Gen (Retd.) Ajai Singh

CM: Tarun Kumar Gogoi

Legislative Bodles: State Legislature Seats, 126; Lok Sabha Seats, 14, Rafya Sabha Seats: 7

Main Political Parties: INC, AGP, 8JP, NCP, Trinamool Congress, Sainata Party, Samajwadi Party,

Seat of High Court: Guwahati.

Chlef Languages: Assamese, Bengali

Major Religions: Hinduism, Islam, Buddhism.

Main Towns: Guwahati, Dipur, Terpur, Silchar, Jorhat, Dibrugarh, Sibsagar, Karimganj, Tinsukia, Diphu, Dhemaj, Magaco, Marigaon, Barpeta, Goalpara, Dhuburi, Bongaogaon, Nalbari

Geography: (a) Rivers: Brahmaputra, Manas, Subansiri, Sonai; (b) Mountains: Ni Sir Hills, Rengma Hills, Barail Range. (c) Wildlife Kapranga National Park-Golaghat. (for forthings and elephants), Manas NP-E

Mameri Mational Park-Sonitper, Pobilora WS-Morigaon, Dibru Ssaikhow NP-Husukla, Laokhowa WS-Nagaon, Pobha WS-Na Lakhingur, Orang WS-Sonitpur

Economyt (a) Minerals: Olf and natural gas, coal, fluestone; (b) Industries: Agin hidustries, rethrery, cultage, franticraft, silk; (c) Aghadural Products: flice, jute, tea, colton, offsects, sugarcane, potato, mange, pincapple.

Transport & Communications (a) fload tength: 14,000 km; (b) flallwayt ength: 2,394.76 km; (c) Main flallway Stations; New flangalgann, Maligaon, Dispin, Hangla, Linneling, Joshat; (d) Aliports: Dibrugath, Guwahati, Joshat, Slichar, Lakhimpur and Tezpur.

Temples: Kamakhya temple (Milachaffillis), Umananda mamilr (Peacock Is.), Navagraha mandir (Chitrachaf filli).

Shopping: Stalkucht (famous for muga silk, endt and pat), flaudicrafts; bambio articles, cane, frass and metal crafts, Assam is famous for vailties of silk, bangles, clay (olis, pottery, woodworks, mattresser, etc.

Education! (a) Schools: 42405; (b) Colleges: 350; (c) Universities: 7

Implayment (99-00); 7,647,000; Unconplayment (99-00); 8.0 9%. Cultural (a) Dancon (con-

Colture(a) Dance: (longal) (libu, flohag Illin, Magb Illin, Kongal); (b) Lextivals: Balyaki).

Bihar

Date of Formation 15 Aug., 1947 Province: Organ, 1950 state (until 1956 : part (A)

Area: 94,103 sq km

Capitoli Palna

Neighborring States/countries: Backband, UP, West Bengal, (Nepal)

Population: 62,998,509; Males: 44,244,795; Lenales: 39,754,714; (a) Population Density Bill; (b) Sex Railo 919

No. of Districts: 3/

District	haiA	Population	flead
	(sq kin)	(2001)	quarters
Arasta	2,197	21,24,811	Araria
Arnangaloid	3, 389	20,04,260	Auraugabad
Uardia :	3,020	16,08,778	tlanka
Requision	1,11119	23,42,989	Heguarak
Magalpur	2,502	24, 30, 331	Bluegalper
Bliedpor	2,137	22,31,415	Arrab(Arta)
Husar	1,634	14,01,462	Bysar
Darbhanga	2,502	34,45,473	Darbhanga
Gaya	4,941	14,64,981	Gaya
Copalyanj	2,003	21,49,143	Copalgary
Jahanabad	1,569	15,11,400	Hantabart
Januar	2,997	1,397,474	lamul
Kalunu	1,#40	12,111,575	สมสังกัน
Katihai	1,010	73,49,513	Kabbar
Khagada	1,480	12,70,677	Kliagada
kishanganj	1,239	12,94,061	Kirhanganj
Lakistarat	1,229	1101,173	Lakiiliaral
Munger	1,419	11,35,499	Munger
Sheiktipura	6119	3,23,13/	Shekhpina
Madhepina	1,797	15,24,596	Madhepma
Madhuhani	3,478	35,70,651	Madudant
Muzattarpur	3,121	32,44,836	Muzallarpur
Natanda	2,102	23,68,327	linerternelist
Hawada	7,498	18,09,425	Navada
Pareltini			
Champaran	4,250	\$0,43,04A	Bettiali
Palma	1,130	47,09,451	Palna
-Pintil Champarar	1 4,155	39, 13,636	Mohhari
Pugiya	3,203	25,40,768	Pennis
Vohtav	3,010	24,48,762	Savarain
Saliaisa	1,196	15,06,414	Saharsa
Saguatiput	2,579	34,14,413	Samastipui
299918	2,024	12,51,474	Chhapra
Mirolia	443	214,280	Micoliat
Manacht	2,628	26,69,007	Stropadd
Sivan	2,213	27,00,040	Siwan
Styrauf	2,9115	17,45,009	Jun (p)Z
Valstadt	1,775	`\$V(15'7BA	Həjiput

Villages: 45,098; Towns: 130.

GovernortHS Caval

CM: Nithh Kumar

Legislative Bodies: State Legislature: Blcameral - Scati: 243, Legis. Council:25; Lok Sabba Scaty: 40; Italya Sabba Scaty: 16

Main Political Partius: Bharatiya Janata Party, Bashtiya Janata Dal, INC, NCF, CPI, BSP, CPI(M), Janata Dal (United), CPI, Samajwaadi Party, Lok Jan Shakil Party...

Seat of High Courti Patna

Chief Languages: Hindl, Ordu, Santhall

Major Religions: Hinduism, Islam, Budism, Christianity.

Main Towns: Gaya, Bihar Sharif, Bhagalır, Purnia, Muzalfarpur, Bettah, Motihari, wan, Munger, Bhagalpur, Ara, Chhapra, saram, Buxar.

Geography: (a) Rivers: Ganga, Gandak, irhl Gandak, Son, Saryu (Ghaghara), Kosi, ımla, Panar, Saura, Lakhandai, Keul, Ghuari, ın-pun; (b) Mountains: Bapabar Hills, landargiri Hills, Kharagpur, Rajgir, Mirzapur, aimur Plateau, Nawada Upland; (c) Plains orth Bihar Plains, South Bihar Plains, Saran, ower Son, Bettiah, Motihari, Sitamarhi, ladhubani, Saharsa, Aaria, Dharampur,

atihar, Bhagalpur (d) Valmiki Nat. Park Economy: (a) Minerals: Ilmenite, Kaolin, mestone, Mica, fuller's earth; (b) Industries: otton spinning mills, sugar mills, jute mills nd leather industries; (c) Agricultural Prodcts: rice, wheat, maize and pulses, cash rops like sugarcane, oilseeds, tobacco, jute nd potato.

Transport & Communications: (a) Road ength: 13412.80 km (in 2001); (b) Main ailway Stations: Patna, Muzaffarpur, Samastiur, Gaya, Katihar; (d) Airport Patna

Shopping: Sikki-stemmed colour-glass vork, kasida-embroidery, sujamis and tikuliornamental works on glass, besides handirafts, toys, metal works, etc.

Education: (a) Schools: 54120; (b) Col-

eges: 790; (c) Universities: 23

Employment ('99-00): 30,355,000; Unmployment ('99-00): 7.32%.

Culture: (a) Dances: Seraikella; (b) Festivals: Chhath, tribal -Sarhul, Karam

Chhattisgarh

Date of Formation: 1 Nov. 2000 State

Area: 1,36,034 sq km Capital: Raipur

Neighbouring States: MP, Office.

Andhra Pradesh, Maharashtra, UP Jharkhand Population: 20,833,803; Males:

10,474,218; Females: 10,359,585; Urban Population:20.08%; (a) Population Density 154; (b) Sex Ratio; 990

Literacy: 64.7%; Males:77.4; Females: 51.9.

No. of Districts: 16

District	Area (sq km)	Population (2001)	
Bastar	17,016	13,02,253	
8ilaspur	8,569	19,93,042	
Dantewada	15,610	7,19,065	
Dhamtari	4,081	7,03,569	
Durg	8,702	28,01,757	
Janjgir Champa	4,467	13,16,140	
Jashpur	6,457	739,780	
Kanker	6,434	6,51,333	Kanker
Kabirdham	3,958	5,84,667	
(Kawardha)			(Kawardha)
Korba	5,769	10,12,121	Korba
Kona	5,978	5,85,455	
Mahasamund	4,963	8,60,176	Mahasamund
Raigarh	6,528	12,65,084	Raigarh
Raipur	13,445	30,09,042	Raipur
Rajnandgaon	8,023	12,81,811	Rajnandgaon
Sarguja	16,034	19,70,661	Ambikapur

Villages: 20,308; Towns: 97.

Governor: Lt. Gen. (Retd.) K.M. Seth

CM: Dr. Raman Singh

Legislative Bodies: State Legislature Seats: 90; Lok Sabha Seats:11; Rajya Satra Seats, 5

Main Political Parties: BJP, INC, 822, NO

Seat of High Court: Bilaspur Chief Languages: Hindi

Major Religions: Hindus

Main Towns: Raipur, قاتلتان المنتانة المنتانة المنتانة المنتانية المنتانة lagdalpur, Ambikapur, Pag !-----Ehilai, Dharntari

Geography: (a) Five: 12-22 rati, Pairi, Hasdo, Sox, Sata Maikala Range, Ranger de Park: Indravati 1.2-5= Carguia-Ketiya Dalam

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Sacraci, ACG 30r.01277, 5%

THE CLUBS OF T

Economy: (a) Minerals: Copper, Coal, Iron, Limestone, Manganese and a diamond reserve; (b) Industries: most industries are mineral based like BALCO or Bhilai Steel plant, or forest based; (c) Agricultural Products: Tendu leaves, chironji, harhar, baheda, mahu flowers and sal seeds - predominently forest

products
Transport & Communications: (a) Road
Length: 35388.54km NH-1827.30km; SH3611km (b) Railway Length 1053km; (c) Main
Railway Stations: Raipur, Bilaspur, Durg,
Korba, Raigarh, and Rajnandgaon); (d) Airports: Raipur, (Airstrips: Bilaspur, Bhilai,
Jagdalpur, Ambikapur, Korba, Jashpumagar
and Rajnandgaon)

Education: (a) Schools: 33015; (b) Colleges: 218; (c) Universities: 9

Culture: (a) Festivals: Pola, Nawakhai, Dussehara, Diawali, Holi, Govardhan Puia.

Goa

Date of Formation: 30 May, 1987

Area: 3,702 sq.km Capital: Panaji

Neighbouring States: Karnataka, Maharashtra Arahlan Sea

Maharashtra, Arablan Sea
Population: 1,347,668; Male: 687,248,

Female:660,420; Urban Pop: 49.8%; (a) Population Density: 364; (b) Sex Ratio: 960

Literacy: 82.0%; Males: 88.4; Females: 75.4.

No. of Districts: 2

District	Area (sq km)	Population (2001)	Head- quarters
North Goa	1,736	7,57,407	Panaji
South Goa	1,966	5,86,591	Margao

Villages: 359; Towns: 44

Governor: SC Jamir

CM: Pratapsingh Raoji Rane

Legislative Bodies: State Legislature: Unicameral-Seats: 40; Lok Sabha Seats: 2, Rajya Sabha: 1.

Manorama Yearbook 2007

Main Political Parties: BJP, INC, United Gomantwadi Democratic Party, NCP, Maharashtrabadi Gomantak Party.

Seat of High Court: Bombay.

A bench of Bombay High court is at Panaji.

District Court is in South Goa.

Chief Languages: Konkani and Marathi Major Religions: Hinduism and Christianity

Main Towns: Panaji, Margao, Vasco, Mapusa, Ponda

Geography: (a) Rivers: Mandovi, Zuari, Terekhol, Chapora and Betul; (b) Mountains: Western Ghats; (c) Lake: Mayem; (d) Caves Khandepur, Arvalem. (e) Wildlife: Dr. Salim Ali Bird Sanctuary, the Bondla Wildlife Sanctuary, Cotigoa Wildlife Sanctuary, Molem National Park, Bhagwan Mahavir Wildlife Sanctuary, the Mormugao harbour. (f) Beaches: Bogmalo (water sports), Calangute, Colva, Mandrem, Morjim, Anjuna, Baga, Candolim, Singuerim, Majorda, Benaulim, Varca, Agonda and Vagator.(g) Waterfalls: The Aravelam waterfalls-adjacent to it is Rudreshwara temple and interesting rock-cut caves, the Mayem lake, the Dudsagar waterfalls-little downward is the Devil's Canyon suitable for trekkers and hikers.

Economy: Paddy Is the main agricultural crop, followed by ragi, cashew and coconut. The state has a rich forest cover of more than 1,424 sq.km. Fishing sustalns a work force of 40,000 people. (a) Minerals: Iron ore, manganese, ferro-manganese, bauxite, silicasand; (b) Industries: Mining industries, small scale industries like breweries, fruit canning, fish canning, stoves, automobile batteries, printing press, computer peripherals, zip fastner, etc.; (c) Agricultural Products: rice, pulses, ragi, groundnut, maize, jowar, bajra, sugarcane, coconut, cashewnut, arecanut, pineapple, mango, banana.

Transport & Communications: (a) Road Length: National highway-224 km, state highways-232 km, district roads-815 km.; (b) Railway Length: Goa is linked with Mumbai, Mangalore and Thiruvananthapuram through the Konkan railway; (c) Main Railway Stations: Margoa, Canacona, Balli, Verna, Karmali, Thivim, Pernem; (d) Airports: Dabolim International (29km from Panaji).; (e) Chief Port: Mormugao, Dona Paula.

Fort: Tiracol - built by Marathas in 1745, Cabo da Rama-juts into the sea, Cabo-now governor's house, Reis Magos-named after Biblical Magi Kings who is believed to have owned this place and the Aguada Fort-built by Portuguese between 1609-1612 - now used as central prison.

Cuisine: Sweets: Bebinca, Dodol, Sanna, Delicacies: Bangra, pork vindaloo, sorpotel, acuti, chourisso.

Education: (a) Schools: 1537; (b) Colleges: 39; (c) Universities: 1

Culture: (a) Dances: Fugdi, Dhalo (folk); Dekni, Kumbi, Bandhap (women); Mando (love - east-west mix), Ghode Mondi (Ranes victory over Portuguese), Goff & Hanpet Sword (during Shigmo), Dhangar (Navratri), Kala and Dashavtari; (b) Festivals: Carnival, Shigmotsav (Feb/Mar), Sabado Gordo (Feb), Beach Bonanza (Apr), Konkani Drama Fest (Nov/Dec).

Gujarat

Date of Formation: 1 May 1960

Area: 196,024 sq km Capital: Gandhinagar

. Nelghbouring States/UT: Rajasthan, Maharashtra, MP, Damn-Diu, Dadra Nager Haveli, Pakistan (country), Arabian Sea.

Population: 50,671,017; Males: 26,385.577; Females: 24,285,440; Urban **Population:**37.35%; (a) Population Density: 258; (b) Sex Ratio: 921

6. Literacy 69.1%; Males: 79.7; Females: 57.8.

No. of Districts: 25

District	Area	Population	Head-
	(sq km)	(2001)	quarters
Ahmedabad	8,087	58,03,378	Ahmedabad
Amreli	7,397	13,93,295	Arrizeù
Anand	2,941	18,56,712	Anund
Banaskantha	10,757	25,02,843	Palanpur
Bharuch	6,527	13,70,104	Bharuch
Bhavnagar	9,981	24,69,264	8havnagar
Dahod	3,646	16,35,374	Dahod
Dangs	1,764	1,86,712	Ahwa
Candhinagar	2,163	13,34,731	Candhinagar
amnagar	14,125	18,16,029	Jamnagar
Junagadh	8,846	24,48,427	Junagadh
Kheda	4,219	20,23,354	Nadad
Kuchchh	45,652	15,26,321	Bhuj
Mahesana	4,384	18,37,696	Mehsana
Narmada	2,755	5,14,083	Rajpipla
Navsan	2,209	12,29,250	Navian
Panchmahals	5,220	20,24,883	Codhara
Patan	5,730	11,81,941	Patan
Porbanda r	2,298	5,36,854	Portundar
Rajkot²	1,203	25,71,931	Rujket
Sabarkantha	7,390	20,83,416	Himatnagat
Surat	7,657	49,96,391	Surat
Surendranagar	10,489	15,15,1475	urendranagar
Vadodara	7,549	36,39,775	Vadodara
Valsad	3,035	14,10,680	Valuad

VIllages: 18,539; Towns: 242
Governor: Nawal Kishore Sharma

CM: Narendra Modi

Legislative Bodies: State Legislature: Unicameral - Seats: 182; Lok Sabha Seats: 26; Rajya Sabha Seats: 11

Main Political Parties: BJP, INC, JD...

Seat of High Court: Ahmedabad

Chlef Languages: Gujarati

Major Religions: Hinduism, Islam

Main Towns: Ahmedabad International, Vadodara, Bhavnagar, Bhuj, Surat, Jamnagar, Kandla, Mehsana, Porbandar, Rajkot.

Geography: (a) Rivers: Sabarmati, Mahi, Narmada, and Tapti. Smaller rivers like Banas, Saraswati and Damanganga; (b) Mountains: Gir Range, Barda Hills, Girnar Hills. (c) National Parks: Gir NP-asiatic lions, Pirotan Marine National Park-known for corals and fish, Wild Ass Sanctuary-Rann of Kut/ Nal Sarovar Bird Santuary, Ratanial

Sloth 8ear Sanctuary-Gujarat-MP border, Velavadhar NP, Vansda NP.(d) 8eaches: Porbandar, Chorwad, Beyt Dwaraka, Somnath and Veraval, Mandvi near Delvada.

Economy: (a) Minerals: petroleum oil, natural gas; (b) Industries: Textiles, inorganic chemicals (caustic soda, soda ash), petrochemicals, drugs, oil refinery, pharmaceuticals, cement, electronic and electrical goods, machine tools, sugar, oil, etc.; (c) Agricultural Products: Bajra, jowar, maize, nce, wheat, tobacco, cotton, groundnut, isabgol, sugarcane, mangoes, bananas.

Transport & Communications: (a) Road Length: 74075km.; (b) Main Railway Stations: Ahmedabad, Vadodara, Bharuch, Valsad, Navsar, Surat, Dahod, Nadiad, Bhavnagar, Bhuj, Jamnagar, Rajkot, Mehsana, Himatnagar, Palanpur; (c) Airports: Ahmedabad International, Vadodara, Bhavnagar, Bhuj, Surat, Jamnagar, Kandla, Keshod, Porbandar, Rajkot; (d) Port: Kandla.

Important Shrines: Modhera Sun temple-Mehsana, Hatheesing Jain Temple, 8hadreshwar-Jain pilgrimage, Shamlaji -farnous Vaishnava temple, Jama Masjid, Rani Ruprnati mosque, Akshardham temple-made of sandstone, Parsees Fire temple-Udwada.

Historic Places: Patan-remains of Solanki dynasty, Lothal and Dholavira-remains of Harrappan civilisation, Adlaj Vav (world's most famous elaborated well)-Gandhinagar, Rani ki Vav-built by Udayamati (queen of Bhimdeva 1 between 1022 and 1063, Uperkot Fort - built by Yadavas.

 Shopping: Patola saris, bead-embroidered ghagras, cholis, torans, tondris, chakla, zari, chandrawas, Namdas-felt embroidered with wool, block printed textiles, clay painting, hand painted fabrics.

Education: (a) Schools: 44912; (b) Colleges: 545; (c) Universities: 28.

Cuiture: (a) Dances: Garba (Lasya Nrity(a) and , Dandia Ras (Ras Leela, folk), Tippani (women labourers); (b) Festivals: Janmastami,

- Dwarka and Dakor, Mahavir Jayanti-Palitana, International Kite Festival- Jan, Makar Sankranti, Navratri-Sep/Oct, Tarnetar fair (Aug-Sept), Madhavrai fair - Porbandar (Mar-April), Ambaji fair- 8anaskanta dist, Shamalji fair, Dangi durbar- March, etc.

Haryana

Date of Formation: 1 Nov 1966 State created from part of Punjab

Area: 44,212 sq km Capital: Chandigarh

Neighbouring States: Punjab, Chandigarh, Himachal Pradesh, Uttaranchal, Uttar Pradesh, Delhi, Rajasthan.

Population: 21,144,564; Males: 11,363,953; Fernales: 9,780,611; Urban Population: 29%; (a) Population Density: 478; (b) Sex Ratio: 861

Literacy: 67.9%; Males: 78.5; Fernales: 55.7.

No. of Districts: 20

District	Area (m) ps)	Population (2001)	Head- quarters
Ambala	1,574	10,13,660	Ambala
Bhiwani	4,778	14,24,554	8hiwani
Faridabad	2,151	21,93,276	Faridabad
Fatehabad	2,520	8,06,158	Fatahabad
Gurgaon	2,766	16,57,669	Gurgaon
Hissar	3,983	15,36,417	Hissar
Jhajjar	1,834	8,87,392	Jhajjar
ind	2,702	11,89,725	lind
Kaithal	2,317	9,45,631	Kaithal
Karnal	2,538	12,74,843	Kamal
Kurukshetra	1,530	8,28,120	Kurukshetra
Mahendragarh	1,859	8,12,022	Namaul
Panchkula	898	4,69,210	Panchkula
Panipat	1,268	9,67,338	Panipat
Rewan	1,582	7,64,727	Rewari
Rohtak	1,745	9,40,036	Rohtak
Sirsa	4,277	11,11,012	czniZ
5onipat	2,122	12,78,830	Sonipat
Yamunanagar	1,768	9,82,369	Yamunanagar
5satyamevpuram	2003		Nooh

Viliages: 6,955; Towns: 106

Governor: Dr. AR Kidwai **CM:** Bhupinder Singh Hooda

Legislative Bodies: State Legislature:

Unicameral - Seats: 90; Lok Sabha Seats:10; Rajya Sabha Seats: 5

Main Political Parties: INC, Indian National Lok Dal, BJP, BSP, NCP.

Seat of High Court: Chandigarh

Chlef Languages: Hindi, Punjabi, Urdu

Major Religions: Hinduism, Islam, Christianity.

Main Towns: Karnal, Rohtak, Panipat, Hisar, Yamunanagar, Kaithal, Gurgaon, Faridabad, Sirsa, Rewar, Bhiwani, Narnaul

Geography: (a) Rivers: Ghaggar, Yamuna; (b) Mountains: Lower Shiwalik Range, Rewari Upland, Delhi Range (c) Lakes: Sirajkhand, Badkhal, Chakarvaty. (d) National Park: Sultanpur Bird Sanctuary.

Economy: (a) Minerals: Limestone, slate, dolomite, china clay, graphite and quartz; (b) Industries: cement, sugar, paper, cotton, textiles, glassware, brassware, cycles, tractors (largest production in the country), motorcycles, timepieces, automobile tyres and tubes, sanitaryware, television sets, steel tubes, hand tools, cotton yarn, refrigerators, vanaspati, ghee and canvas shoes; (c) Agricultural Products: Rice, wheat, maize, bajra, cotton, sugarcane, barley potato, and pulses.

Transport & Communications: (a) Road Length: 30,468 km; NH 1 -Murthal to Delhi border to Karnal; NH 2 - Ballabgarh to UP border (b) Main Railway Stations: Ambala, Panipat, Kurukshetra and Jakhal. (Jagadharirailway workshop). (d) Airports: Pinjore, Karnal, Hissar, Bhiwani, Narnaul.

Tourist Destinations: Badkhal Lake-Faridabad, Panipat and Karnal-former site of fierce battles is now famous for furnishing textiles, Kurukshetra Tank, Yadavindra Gardens-Pinjore, Sultanpur Jheel (bird sanctuary).

Education: (a) Schools: 16964; (b) Colleges: 22S; (c) Universities: 7

Employment: \$,982,000; Unemployment: 4.77%

Culture: (a) Festivals: Holi, Teej, Drwali Ggugga Pir, Sanjhi, Karca Chauth-forwomen, Surajkund -famous for popular cralts melaheld in February, Janmashtami Fair-Bhiwani, Masani Fair-Gurgaon; (b) Crafts: Moorah making, khes, druggets, Punja durries.

Himachal Pradesh

Date of Formation: 25 Jan. 1971 State

Area: SS,673 sq km

Capital: Shimla

Nelghbouring States: J&K, Punjab, Haryana, Uttaranchal, China (country)

Population: 6,077,900; Males: 3,087,940; Females: 2,989,960; Urban Population: 9,79%; (a) Population Density: 109; (b) Sex Ratio: 970

Literacy: 76.5%; Males:85.3; Females: 67.4.

No. of Districts: 12

District	Area	Population	Head
	(sq km)	(2001)	quarters
Bilaspur	1,167	3,40,735	B laspur
Chamba	6,528	4,60,499	Chamba
Hamirpur	1,118	4,12,009	Hamurpur
Kangra	5,739	13,38,536	Dharamsala
Kinnaur	6,401	83,950	Reckong Pea
Kultu	5,503	3,79,865	Kullu
Lahaul & Spiti	13,835	33,224	Krylong
Mandi	3,950	9,00,937	Mandi
Shimla	5,131	7,21,745	Shimla
Sirmaur	2,825	4,58,351	Nahan
Solan	1,936	4,99,350	Solan
Una	1,540	4,47,967	Un a

VIIIages: 20,118; Towns: 57

Governor: Justice Vishnu Sadashiv Kokje

CM: Virbhadra Singh

Legislative Bodles: State Legislature. Unicameral - Seats: 68; Lok Sabha Seats: 4; Rajya Sabha Seats: 3

Main Political Parties: INC, BJP, Himachal Vikas Congress, Lok Jan Shakti Party, Loktantrik Morcha Himachal Pradesh.

Seat of High Court: Shimla

Chlef Languages: Hir injabi Kinnauri, Pahari Major Religions: Hinduism, Buddhism, Islam.

Main Towns: Shimla, Mandi, Dharmashala, Kullu, Manali, Bilaspur, Chamba, Kyelang, Kalpa, Kangra

Geography: (a) Rivers: Ravi, Beas, Chenab, Satluj, Yamuna; (b) Mountains: Great Himalaya, Punjab Himalaya, Suket Hills, Shimla Hills, Shiwalik Range, Mussoone Range, Nag Tibba Range; (c) Lake/ Valley: Kangra Valley, Mahasu Valley, Rampur Valley, Spiti Valley, Lahul Valley, Baspa Valley, Govind Sagar; (d) Pass: Rohtang.(e) Parks and Valleys: Kufri-Himalayan Nature Park, Sangla, (f) Lake: Renuka, Rewalsar - Mandi

Economy: (a) Minerals: Rock salt, slate, gypsum, limestone, barytes, dolomite, pyrites; (b) Industries: IT, Bio-technology, brewery, fruit processing, cement, electronics; (c) Agricultural Products: wheat, maize, rice, barley, vegetable, potato, ginger, soyabean, oilseed, pulses. Fruits: apple, pear, peach, plum, apricot, mango, litchi, guava, strawberry.

Transport & Communications: (a) Road Length: 21,935 km.NH-1235 kms.; (b) Railway Length-two narrow gauge lines (Pathankot to Jogindernagar and Kalka to Shimla) and the broad gauge line from Nangal to Talwara, is under construction; (c) Main Railway Stations: Pathankot, Jogin-der Nagar; (d) Airports: Bhuntar (Kullu Valley), Jubbarhatti (Shiml(a) and Gaggal (Kangra). Airstrip: Banikhet (being built).

Shrines: Lakshmi Devi-Manimahesh, Paonta Sahib Gurudwara, Jwalamukhi, Jakhu Hanuman temple-Shimla, Bhimkali temple-Sarahan, Bajreshwari Devi temple-Kangra.

Shopping: Pashmina shawls are very famous, rugs, namdas, gudma, are some of the native attractions. McLeod Ganj-Tibetan textiles, Dalhousie- Kulu shawls and Tibetan handicrafts, Lakkar Bazar.

Education: (a) Schools: 14909; (b) Colleges: 82; (c) Universities: 8

Employment: 2,371,000 (1999-2000)

Culture: (a) Dances: Nati; (b) Festivals: Dussehra of Kulu - begins on Vijay Dashmi; Shivratri of Mand (Feb/Mar); Minjar Fest in Chamba; Lavi Fair at Rampur; Renuka Fair (Aug/Sep); Lohri or Maghi, Lahual and Phulech-festival of flowers (c) Crafts: Pashmina and woollen shawls, namdas, gudma, thobis (floor covering made of goat hair), pullas (straw shoes).

Jammu & Kashmir

Date of Formation: 26 Oct 1947

Area: 2,22,236 sq km

Capital: Srinagar (Summer) Jammu (Winter)

Neighbouring States/countries: Himachal Pradesh, Punjab, (countries-Pakistan, Afghanistan, China.)

Population: 10,143,700; Males: 5,360,926; Females: 4,782,774; Urban Population: 24.88%; (a) Population Density: 100; (b) Sex Ratio: 900

Literacy:55.5%;Males:66.6; Females:43 No. of Districts:14

District	Area	Population	Head-
	(sq km)	(2001)	quarters
Anantnag	3,984	11,70,013	Ananthag
8adgam .	1,371	6,32,338	Badgam
Baramula	4,588	11,66,722	8aramula
Doda	11,691	6,90,474	Doda
Jammu	3,097	15,71,911	Jammu
Kargil	14,036	1,15,227	Kargil
Kathua	2,651	5,44,206	Kathua
Kupwara	2,379	6,40,013	Kupwara
Ladakh	82,665*	1,17,637	Leh
Pulwama	1,398	6,48,762	Pulwama
Poonch	1,674	3,71,561	Poonch
Rajauri	2,630	4,78,595	Rajauri
Srinagar	2,228	11,83,493	Srinagar
Udhampur	4,550	7,38,965	Udhampur

Includes 37,555 sq km under illegal occupation by China.

Villages: 6,652; Towns: 75

Governor: Lt Gen. (Retd.) SK Sinha

CM: Ghulam Nabi Azad

Legislative Bodies: State Legislature:

Bicameral Seats: Legislative Assembly:76 (originally 100 but 24 of which are illegally under POK); Legis Council: 36. Lok Sabha Seats: 6; Raiya Sabha Seats: 4

Main Political Parties: Jammu and Kashmir National Conference; INC, People's Democratic Party, J&K National Panthers Party, CPI-M, J&K Awami League, Democratic Movement, BSP, BJP...

Seat of High Court: Srinagar and Jammu

Chlef Languages: Urdu (official), Kashmiri, Dogri, Pahari, Balti, Ladakhi, Purig, Punjabi, Gurji, Dadri

Major Religions: Islam, Hinduism, Buddhism

Main Towns: Srinagar, Jammu, Leh, Anantnag, Baramula, Pulwama, Punch, Doda, Udhampur

Geography: (a) Rivers: Chenab, Jhelum, Zanskar, Indus, Suru, Nubra and Shyok; (b) Mountains: (divided into 4 regions) Khandi Belt -Greater Himalayas, Great Karakoram, Trans-Himalaya; Siwalik range- Zaskar range, Kunlun; Kashmir Valley -Pirpanjal range; Tibetan tract- Ladakh range; (c) Lakes Wular, Achar, Dal, Pangong, Moniri, and Kar. (Mountain Lakes-Satsar, Vishansar, Kishansar, Gadsar, Gangabal); (d) Pass Zoji La pass; (e) Range Pir Panjal, Great Himalaya, Zanskar, Ladakh, Stok

Ladakh is also called 'Little Tibet' and sometimes 'the last Shangri La.' This region is marked by Buddhist monastries (gompas), and forts. Hemis Gompa- Leh offers some tough mountain treks to Zanskar valley-Pangong Lake-Tso Morin Lake. The highest point there is at Zoji La pass.

Economy: (a) Minerals: Mica, fire clay, limestone, kaolin, bauxite; (b) Industries: Handicrafts, carpet, wood carving, shawlmaking; (c) Agricultural Products: Paddy, maize, wheat, gram, bajra, jowar, barley, fruits like apple, and walnuts.

Transport & Communications: (a) Road Length 16,117 km.; (b) Main Railway Stations: Jammu; (Jammu-Udhampurrailwayline is under costruction which will be extended to Srinagar and Baramulla) (c) Airports: Srinagar International, Jammu, Leh.

Shopping: Kashida embroidery, sonzi-fine needle work, and chikindozi-hookwork-jalakdozi-rafookan-Pashmina and kani shawls, silver jewellery, etc.

Education: '(a) Schools: 16357; (b) Colleges: 91; (c) Universities: 5

Culture: (a) Dances: Ruf (women-romance and heroic), Kud (Dogramen), Hemis Gumpa; (b) Festivals: Assuj, Lohri, Sinh Sankranti, Bahu Mela in Jammu, Mela Losar, Mela Pat; Id-ulfitr, Id-ul-Zzuha, Id Milad-un-Nabi, Meraj Alam in Kashmir, Muharram, Hemis in Ladakh.

Iharkhand

Date of Formation: 15 Nov 2000 (State created from part of Bihar)

Area: 79,714 sq km

Capital: Ranchi

Nelghbouring States:Bihar, UP, Chhattisgarh,Orissa, West Bengal.

Population: 26,945,B29; Males: 13,885,037; Females: 13,060,792; Urban Population: 22.25%; (a) Population Density: 338; (b) Sex Ratio: 941

Literacy: 53.6% (Males: 67.3; Females: 38.9)

District	estA (mJ pz)	Population (2001)	Head- quarters
Bolaro	2,861	14,54,416	Bciara
Chatra	3,706	6 12,713	Chatra
Deoghar	2,479	9 33 113	Deoghar
Dhanbad	2,075	19,49,526	Dharbad
Dumla	3,716	9,50 853*	Dhunia
Carbwa	4,044	8,01,350	Carthia
Cindih	4,887	14,96,189	Cartain
Godda	2,110	8,61,152	Collection
Gumla	5, 321	7,07,555*	J
Hazanbagh	5,965	18,36,005	frame inter
Jamtara	1,802	5,44,850*	4-46-
kodarma	1,311	3,94,703	
Latehar	3660	4,4.7,00	

Lohardaga	1,491	2,88,886	Lohardaga		
Pakaur	1,806	5,64,253	Pakaur		
Palamu	4,015	11,82,770*	Daltonganj		
Paschimi Singhbhu	m5,290	10,80,780*	Chabasa		
Purbi Singhbhum	3,553	16,13,088	Jamshedpur		
Ranchi	7,574	22,14,088	Ranchi		
Sahebganj	1,706	7,36,835	Sahibganj		
Seraikela	2,725	7,07,175*	Seraikela		
Simdega	3756	4,46,421*	Simdega		
#Khunti district is under consideratiio.* Popula-					
tion refers to 1991 census.					

VIIIages: 32,615; Towns: 152 Governor: Syed Sibtey Razi

CM: Madhu Koda

LegIslative Bodles: State Legislature: Unicameral - Seats: 81; Lok Sabha Seats: 14; Rajya Sabha Seats: 6

Main Political Parties: BJP, INC, NCP, JMM, RJD, JD-United, All India Forward Block, CPI-ML, Alharkhand Students Union, Jharkhand Party...

Seat of High Court: Ranchi

Chief Languages: Hindi, Urdu, Maithli, Bhojpuri

Major Religions: Hinduism, Islam, Buddhism

Maln Towns: Ranchi, Jamshedpur, Dhanbad, Daltenganj, Deogarh, Dumka, Hazaribagh, Bokaro, Chaibasa, Chatra, Gumla, Garwa, Giridih

Geography: (a) Rivers: Sankh, South Koel, Damodar, Subarnarekha, Barakat; (b) Mountains: Chotanagpur Plateau, Hazaribagh Plateau, Rajmahal Hills, Parasnath (1366m); (c) Reservoir: Tilaiya, Konar, Govind Bballabh Pant Sagar (d) National Park: Palamau NP, Hazaribagh NP.

Economy: Jharkhand's economy is sustained by mining and heavy industry. It is India's second most important source of coal, mining 26 per cent of the total. In minerals, Jharkhand is probably India's richest state. Jharkhand has rich reserves of iron ore and coal and several industries. The two major steel plants of India are located in Jharkhand: at Jamshedpur and Bokaro. (a) Minerals: iron ore and coal; (b) Industries: Steel, mining,

heavy industries; (c) Agricultural Products: Agriculture is poorly developed. Irrigation is negligible. Drought, therefore, is a periodic threat.

Transport & Communications: (a) Road Length: 4,311km, including 1,500km NH and 2,711km SH; (b) Main Railway Stations: Ranchi, Bokaro, Dhanbad, Jamshedpur, Mun, Deogarh; (c) Airports: Ranchi, Jamshedpur.

Education: (a) Schools: 22821; (b) Colleges: 145; (c) Universities: 7

Culture: (a) Dances: Chhau; (b) Festivals: Chhath, Diwali, Id, Buddha Purnima, Durga Puja. Tribal Festivals: Sarhul, Bandna, SSohraj and Dasai.

Karnataka

Date of Formation: 15 Aug 1947 Mysore state (1950-56: part (B); 1 Nov 1973 Renamed Karnataka

Area:1,91,791 sq km Capitai: Bangalore ...

Neighbouring States: Kerala, Goa, Maharashtra, AP, Tamil Nadu

Population: 52,850,562; Males: 26,898,918; Females: 25,951,644; (a) Population Density: 276; (b) Sex Ratio: 964

Literacy: 66.6%; Males: 76.1; Females: 56.9.

District	Area	Population	
	(sq km)	(2001)	quarters
Bagikot	6,594	16,52,232	8agalkot
Bangalore	2,190	65,23,110	8angalore
8angalore Rural	5,815	18,77,416	Bangalore
Belgaum	13,415	42,07,264	Belgaum
8ellary	8,419	20,25,242	8ellary
Bidar	5,448	15,01,374	Bidar
8ijapur	10,475	18,08,863	8іјариг
Chamarajanagar	5,685	9,64,275	Ch.nagar
Chickmagalur	7,201	11,39,104	Chickmagalur
Chitradurga	B,388	15,10,227	Chitradurga
Dakshina Kannad	da 4,843	18,96,403	Mangalore
Davangere	6,018	17,89,693	Davanagere
Dharwad	4,230	16,03,794	Dharwad
Gadag	4,657	9,71,955	Cadag
Gulbarga	16,224	31,24,858	Gulbarga

ารรวก	6,814	17,21,319	Hassan
iverí	4,851	14,37,860	Haveri
dagu	4,102	5,45,322	Madiken
plar	8,223	25,23,406	Kolar
ppal	8,458	11,93,496	Koppal
andya	4,961	17,61,718	Mandya
ysore	6,269	26,24,911	Mysore
ichur	5,559	16,48,212	Raichur
imoga	8,465	16,39,595	Shimoga
ımkur	10,598	25,79,516	Tumkur
dupi	3,598	11,09,494	ក
tara Kannada	10,291	13,53,299	Karwar

VIIIages: 29,406; Towns: 270

Governor: T.N. Chaturvedi

CM: H.D. Kumaraswamy

Legislative Bodies: State Legislature: Binmeral; Legislative Assembly- 224, Legislave Council- 75; Lok Sabha Seats: 28; Rajya

abha Seats: 12

Main Political Parties: BJP, INC, JD (S), D(U), CPI-M, Kannada Nadu Paksha, Kannada halarali Vatal Paksha

Seat of High Court: Bangalore Chief Languages: Kannada

Major Religions: Hindu, Islam, Chrisanity

Main Towns: Bidar, Gulbarga, Bijapur, elgaum, Dharwad, Raichur, Bellary, himoga, Mangalore, Madikeri, Mysore, angalore, Kolar, Tumkur, Hassan, Devan-gere.

Geography: (a) Rivers: Krishna, Tungahadra, Cauvery, Kabani; (b) Mountains: Vestern Ghats, Chitradurga Hills, Tumkurllosepet Hills, Mysore Plateau, Biligiri Rangan lills, Nandi Hills, Gokak Hills, Badami Hills. (c) lational Park: Bandipur Wildlife Sanctuary

Economy: (a) Minerals: Gold silver, iron re, copper, chromite, magnesite, corundum, parnet, limestone; (b) Industries: Aircraft, electronics, soltware, telecom equipment, alloy teel, machine tools, watches, porcelain, automobiles, etc.; (c) Agricultural Products: Rice, owar, bajra, ragi, maize, groundnut, sunlower, mulberry, coconut, Potato, grapes, vatermelon, etc.

Transport & Communications: (a) Road .ength: 1,17,972 km.;NH-3728 km (b) Railway Length: 3100km. The Konkan Railway, the new rail link between. Mumbai and Mangalore was dedicated to the nation on May 1, 1998; (c) Main Railway: Stations Bangalore, Mysore, Tumkur, Hosur, Hassan, Mandya, Bellary, Hu-bli, Bijapur, Gulbarga, Belgaum, Dharwad; (d) Airports: Bangalore, Belgaum, Mangalore, Hubli and Devenhalli (2007); (e) Port: New Mangalore port is the main all-weather seaport.

Adventure Sports: Ramanagaram-rock climbing-50 km from Bangalore, Honnemardu on Sharavathy-coracle ralting, canoeing and wind surfing, Cauvery Fishing Camp-82 km from Mysore for anglers, Kudremukh and Kemman Gundi-trekking.

Education: (a) Schools: 59485; (b) Colleges: 1279; (c) Universities: 20

Employment (99-00): 20,333,000; Un-Employment ('99-00): 4.57%,

Culture: Festivals: Mysore Dussera, Karaga, Ugadi (Kannada New Year), Diwali, Kar Hunnive, Navaratri, Yellu Amavasya, Ramzan.

Kerala

Date of Formation: 1st Nov. 1956

Area: 38,863 sq km

Capital: Thiruvananthapuram

Neighbouring States: Tainil Nadu, Kamataka, Mahe, Lakshdweep Is.

Population: 31,841,374; Males: 15,468,614; Females: 16,372,760; Urban Population: 25.97%; (a) Population Density. 819; (b) Sex Ratio: 1058

Literacy: 90.9%; Males: 94-2; Females: 87.7

District	Area (14 km)	Papulation (2001)	eteaste Partieus
Alapputha	1,414	1,764,605	. Alappaidia
Email am	2950	27 QX	Ext #
الأسلا	4,470	`` `	के कर संक्रमध
Kannur	2,750		San San

Kasargod	1,992	1,085,941	Kasargod
Kollam	2,491	2,137,761	Kollam
Kottayam	2,208	1,795,670	Kottayam
Kozhikode	2,345	2,297,746	Kozhikode
Malappuram	3,550	3,297,512	Malappuram
Palakkad	4,480	2,363,558	Palakkad
Pathanamthitta	2, 637	1,110,218 Pa	athanamthitta
Thiruvan-			Thiruvan-
anthapuram	2,192	2,237,347	anthapuram
Thrissur	3,032	2,434,998	Thrissur
Wyanad	2,132	751,007	Kalpetta

VIIIages: 1,364; Towns: 159

Governor: R.L. 8hatia CM: V.S. Achutanandan

Legislative Bodies: State Legislature: Unicameral - Seats: 140; Lok Sabha Seats: 20; Rajya Sabha Seats: 9

Main Political Parties: INC, CPI-M, Muslim League Kerala State Committee, Kerala Congress (M), CPI, JD(S), Revolutionary Socialist Party of Kerala, Kerala Congress, Kerala Congress (8), Kerala Congress (J), Democratic Indira Congress, NCP,CMP

Seat of High Court: Kochi Chief Languages: Malayalam

Major Religions: Hinduism, Islam, Christianity

Main Towns: Thiruvananthapuram, Kochi, Kozhokode, Trissur, Kannur, Kottayam, Kollam, Allapuzha, Palakkad, Malapuram, Pathanamthitta

Geography: (a) Rivers: Periyar-244km, Bharatapuzha, also called Nila-209 km; Pamba -176km, Chaliyar-169, Kadaundi & Chalakkudy-130, Achenkovil-128, Kalada & Muvatupuzha-121km.;(Total 44 rivers-outof which 41 are west flowing and 3 eastward -Pambar, Bhawani and Kabani) (b) Mountains: Highest - Anamala (8841 ft), Karinkulam (84SSft), Mukutti (8330ft), Devimala (8273 ft) Highest Peak- Anamudi 2695 msl. (c) Lakes: Vembanad (20S sq km), Kayamakulam (S1 sq km), Ashtamudi (50), Anjuthengu (20sq km).Fresh water lake- Shastamcota-3.7 sq km, Vellayni, and Pookat (d) 8eaches: Kovalam, Varkala, Vizhinjam, Shankumukham -Trivandrum, Muzhapilan-gad and Payyambalam-Kannur, Kappad-Kozhikode. (e) Hi Stations: Munnar, Nelliyampathay. (f) 8acl waters: Alapuzha, Kollam, Veli, Koch Kumarakom-Kottayam. (g) Wildlife Eravikulam National Park-known for Nilgi Tahr, Penyar National Park, Param-bikular National Park, Silent Valley, Peppara National Park.

Economy: (a) Minerals: Ilmenite, Rutile Kaolin, Limestone; (b) Industries: Colr an cashew are 2 large industries. Handloom an bamboo-based industries are well-developed Kerala accounts for about 1/3 of India's ma rine exports, Software development and ex port is picking up; (c) Agricultural Product The state has developed commercial agricu ture more than food crops. Consequently the state is short of foodgrains. Kerala ac counts for 92% of India's rubber, 70% of co conut, 60% of tapioca and almost 100% of lemon grass oil. Kerala is the single larges producer of a number of other crops lik banana and ginger, besides tea and coffee in abundance.

Main Irrigation Projects: Malampuzha Chalakkudy, Peechi, Pamba, Periyat Chittoorpuzha, Kuttiyadi, Neyyar, Chimmir

Main Power Projects: Pallivasal Hy. Chenkulam Hy, Peringalkut Hy., Nenyamar galam Hy., Paniyar Hy., Sabarigiri Hy., Sholaya Hy. Brahmapuram Diesel, Kanjikode Winfarm, Kozhikode Diesel, Kayamakulam Thermal Power plant.

Transport & Communications: (a Road Length: 2,19,80Skm; (b) Railway Length 1,148km; (c) Main Railway Stations Thiruvananthapuram, Kollam, Chenganur Thiruvalla, Kottayam, Alapuzha, Ernakulam Trissur, Palakkad, Kozhicode, Kannur Kasargod; (d) Airports: Thiruvananthapuram Nedumbassery (Kochi-India's first privata airport, was opened in June, '99), and Karipur. Port: Kochi.

Waterfalls: Athirapally, Vazhachal, Palaruvi Famous Shrines: Jewish Synagogu Mattancherry, Kochi)-St Francis Church -Sochi, Padma-nabhaswamy temple-Frivandrum, Ayyappa temple-Sabarimala, Suruvayoor (Lord Krishna shrine)-Dwarka of he south, Attukal temple- Trivandrum, Methala mosque, Malik Dinar Mosque, St Thomas Memorial Church-Kodungalloor, St Thomas Church- Malayatoor, Mannarasala temple-Harippad, Parumala Church, and Kalady (the birthplace of Sri San-karacharya, Education: * The first fully literate municioal town (Kottayam-1989), and district (Ernakulam-1990) in India are in Kerala. n 1991, Kerala became the first fully literate state in India. Literacy among adults: 39.9%.

Employment ('99-00):8,902,000; Un-Employment ('99-00):20.97%.

(a) Schools: 12700; (b) Colleges: 313; (c)

Universities: 10

Culture: (a) Dances: Kathakali, Mohiniattam, Theyyam, Thullal, Margamkalli, Oppana; (b) Festivals: Onam, Vishu, Ramzan, Christmas, Aluva Shivratri.

Madhya Pradesh

Date of Formation: 1 Nov. 1956

Area: 3,08,144 sq km

Capital: Bhopal

Neighbouring States: Maharashtra, Gujarat, Rajasthan, UP, Chhattisgarh

Population: 60,348,023; Males: 31,443,652; Females: 28,904,371; Urban Population: 26.67%; (a) Population Density: 196; (b) Sex Ratio: 920

Literacy: 63.7%; Males: 76.1; Females: 50.3.

No. of Districts: 45

District	Area (sq km)	Population (2001)	Head- quarters
Balaghat	9,229	14,45,760	Balaghat
Bankani	5,432	10,81,039	Banvani
Betul	10,043	13,94,421	Setul

Bhind	4,459	14,26,951	Ehind
Bhopal	2,772	18,36,784	Ehopul
Chhatarpur	8,687	14,74,633	Chhatarpur
Chhindwara	11,815	18,48,882	Ohndyara
Damoh	7,306	10,81,909	Danch
Datia	2,038	6,27,818	Datia
Dewas	7,020	13,06,617	Dewas
Dhaar	8,153	17,40,577	Dhaar
Dindori	7,427	5,79,312	Dindon
East Nimar	10,779	17,08,170	Mandwa
Guna	11,065	16,65,503	Guna
Gwaltor	5,214	16,29,881	Chalce
Indore	3,898	25,85,321	indore
Harda	3,339	4,74,174	Harda
Hoshangabad	6,698	10,85,011	bedephenkoH
Jabalpur	5,210	21,67,469	Jaba'pur
lhabua	6,782	13,96,677	Inabua
Katni	4,947	10,63,689	Katni
Mandla	13,269	8,93,908	Manda
Mandsaur	9,791	11,83,369	Mandsaur
Morena	11,594	15,87,264	Morena
Narsinghpur	5,133	9,57,399	Narsinghpur
Neemuch	4,267	7,25,457	Neemuch
Panna	7,135	8,54,235	Panna
Raisen	8,466	11,20,159	Rasen
Rajgarh	6,154	12,53,246	Rajgarh
Ratlam	4,861	12,14,536	ಗುಟಚಾ
Rewa	6,134	19,72,333	Rena
Sagar	10,252	20,21,783	ડે ગ્ગુગ
Satna	7,502	19,68,648	Satna
Sehore	6,578	10,78,769	Schore
Seoni	8,758	11,65,893	Seoni
Shahdol	14,028	15,72,748	Shahdol
Shajapur	6,196	12,90,230	Strainbox
Sheopur	6,585	5,59,715	Sheepur
Shrvpun	10,278	14,40,666	Shypun
Sidhl	10,256	18,30,160	Skathi
Tikamgarh	5,048	12,03,533	Tilamgarh
Ujjain	6,091	17,09,885	مدر∪
Umaria	4,026	5,15,851	Umana
Vidisha	2,742	12,14,759	Vidithe
West Nimar	13,450	15,29,954	Margan

VIIIages: 55,393; Towns: 394

Governor: Balram Jakhar CM: Shivral Singh Chauhan

Legislative Bodies: State Legislature: Unicameral -Seats: 230; Lok Sabha Seats: 29; Rajya Sabha Seats: 11

Main Political Parties: BjP, INC, Samajwadi Party, BSP, CPI-M, NCP, ID-U.

Seat of High Court: Jabalpur and benches at Gwalior and Indore

Chief Languages: Handi

Major Religions: Hinduism, Islam, Buddhism

Main Towns: Bhopal, Gwalior, Sagar, Rewa, Jabalpur, Ujjain, Bhind, Ratlam, Seoni, Shajapur, Sagar, Guna, Itarsi, Shivpuri, Morena, Guna, Chindwara, Katni, Mandla, Umaria, Shahdol, Vidhisha.

Geography: (a) Rivers: Narmada,

Chambal, Sindh, Betwa, Ken, Son, Tapi; (b) Mountains: Vindhya Range, Satpura Range, Malwa Plateau, Kaimur Hills, Maikala Range, Mahadeo Hills. (c) National Park / Sanctuary: Kanha, Bandhavgarh, Madhav, Karera Bird Sanctuary (Great Indian Bustard), Indravati tiger reserve; Dhuandhar Fall (Bhedaghat) and Marble rock - Jabalpur;

Economy: (a) Minerals: diamond, dolomite, limestone, bauxite, iron-ore, copper, coal, lead, tin, rock phosphate, traditional handicraft and handloom; (b) Industries: Heavy electricals, Govt. Mint, Security Paper mill, sugar mills, refractories, textile machinery, steel casting, electronics, automobiles, optical fibre, newsprint, rerolling, industrial gases, synthetics, drugs, engineering tools, chemical fertilisers, solvent extraction; (c) Agricultural Products: Jowar, wheat, rice, gram, oilseeds, pulses, soyabean, cotton, sugarcane.

Transport & Communications: (a) Road Length: 67,600 km. NH 3700 km, SH 7,300km; (b) Main Railway Stations: Bhopal, Bina, Gwalior, Indore, Itarsi, Jabalpur, Katani, Ratlam and Ujjain; (c) Airports: Bhopal, Gwalior, Indore, Khajuraho

Famous Temple towns: Khajuraho, Maheshwar, Omkareshwar, Ujjain, Chitrakoot Orchha, Amarkantak, Bhojpur, Udaypur.

Archeological Sites S: Bhimbedka, Satna, Sanchi stupas (Buddhist), Vidisha, Mandsaur, Education: * (a) Schools: 89963; (b) Col-

leges: S92; (c) Universities: 17

Employment ('99-00): 2B,725,000; Unemployment ('99-00): 4.45%.

Culture: (a) Dances: Gaur - bison hunt dance; (b) Festivals: Tan Sen Music FestivalGwalior, Ustad Allauddin Festival -Maihar, Kalidas Samaroh- Ujjain; Festival of Dances-Khajuraho.

Bhagoriya - Jhabua(tribal), Holi, Sravan Somvar, Díwali, Id, Dussehra, Shivratri-Khajuraho, Bhojpur, Pachmarhi, Ujjain; Ramnavami - Chitrakoot, Orcha, Malwa, Pachmarhi.

Maharashtra

Date of Formation: The state of Bombay was bifurcated into Maharashtra and Gujarat on May 1,1960, Maharashtra retaining the old capital Bombay.

Area: 3,07,713 sq km Capital: Mumbai

Neighbouring States: Gujarat, Madhya Pradesh, Andhra Pradesh, Karnataka, Goa, Dadra and Nagar Haveli, Chhattisgarh

Population: 96,878,627; Males: 50,400,596; Females: 46,478,031; Urban **Population:** 42.40%; (a) Population Density: 315; (b) Sex Ratio: 922

Literacy: 76.9%; Males:86.0; Females: 67.0.

District	Area	Population	Head-
	(sq km)	(2001)	quarters
Ahmednagar	17,034	40,88,077	Ahmednagar
Akola	5,431	16,29,305	Akola
Amaravati	12,235	26,06,063	Amaravati
Aurangabad	10,106	29,20,54B	Aurangabad
Beed	10,692	21,59,841	Beed
Bhandara	3,890	11,35,B35	Bhandara
Buldana	9,680	22,26,32B	Buldana
Chandrapur	11,417	20,77,909	Chandrapur
Dhule	B,061	17,0B,993	Dhule
Gadchiroli	14,477	9,69,960	Gadchiroli
Gondia	5,431	12,00,151	Gondia
Mumbai City	157	33,26,B37	Mumbal City
Hingoli	4,526	9,86,717	Hingoli
Jalgaon	11,757	36,79,936	Jalgaon
Jalna	7,715	16,12,357	Jaina
Kolhapur	7,692	35,15,413	Kolhapur
Latur	7,166	20,7B,237	Latur
Mumbai (Sub.)	446	85,87,561 N	fumbai (Sub.)
Nagpur	9,810	40,51,444	Nagpur
Nanded	10,545	28,68,15B	Nanded
Nandurbar	5,035	13,09,135	Nandurbar

			-
Nashik	15,539	48,87,923	Nashik
Osmanabad	7,550	14,72,256	Osmanabad
Parbhani	6,511	14,91,109	Parbhani
Pune	15,637	72,24,224	Pune
Raigad	7,162	22,05,972	Raigad
Ratnagiri	8,196	16,96,482	Ratnagiri
Sangli	8,578	25,81,835	Sangli
Satara	10,475	27,96,906	Satara
Sindhudurg	5,222	8,61,672	Sindhudurg
Solapur	14,886	38,55,383	Solapur
Thane	9,563	81,28,833	Thane
Wardha	6,311	12,30,640	Wardha
Washim	5,150	10,19,725	Washim
Yavatmal	13,594	24,60,482	Yavatmal

Villages: 43,711; Towns: 378

Governor: S.M. Krishna

CM: Vilasrao Deshmukh

Legislative Bodies: State Legislature: Bicameral - Seats: Legislative Council: 78; Legislative Assembly: 288; Lok Sabha Seats: 48; Rajya Sabha Seats: 19

Main Political Parties: NCP, INC, Shiv Sena, BJP, CPI-M, Jan Surajya Sharti, Peasant and Workers Party of India, Akhil Bharatiya Sena,

Seat of High Court: Mumbai (benches at Nagpur, Aurangabad and Panaji)

Chief Languages: Marathi

Major Religions: Hinduism, Islam, Parsi, Christianity, Jainism

Main Towns: Mumbai, Pune, Nagpur, Nashik, Nanded, Nandubar, Akola, Aurangabad, Bid, Gondia, Jalgaon, Jalna, Kolhapur, Kudal, Parbhani, Solapur, Satara, Sangli, Wardha.

Geography: (a) Rivers: Godavari, Penganga, Manjra, Bhima, Vama, Panjhra, Wardha, Wainganga, Puma, Dudhana, Pravara, Mula, Ghod, Sina, Tirna; (b) Mountains: Ajanta Range, Harishchandra Range, Balaghat Range, Satmala Hills, Gawligarh Hills, Mahabaleshwar, Kalsunai; (c) Lakes: Beale, Tansa, Andhra, Mulshi, Koyna Reservoir. (d) National Park: Nawegaon, Pench Taroba.

Sanctuaries: Nagzira, Tousa, Yawal, Doe, Devlagaon, Devlagaon.

Economy: (a) Minerals: Coal, Iron ore, Manganese, Chromite, Bauxite, Oil & Natural Gas; (b) Industries: Major industries are

chemicals and allied products, textiles, electrical and non-electrical machinery and petroleum and allied products, pharmaceuticals, engineering goods, machine tools, steel and iron castings and plasticware. Santa Cruz Electronics Export Processing Zone (SEEPZ), is a free trade zone for cent per cent export. India's first gold refinery is at Shirpur. The development of offshore oil fields at Mumbai High and the nearby Bassein North Oil Fields have contributed greatly to the industrial development of the state; (c) Agricultural Products: Main food crops: wheat, rice, jowar, bajra and pulses. Cash crops; cotton, sugarcane, groundnut and tobacco. Alphonso mangoes, Thomson seedless grapes, Cavendish bananas and soft seeded pomegranates are the state's produce.

Transport & Communications: (a) Road Length: 2.66 lakh km. consisting of 3,710 km, of national highways, 33,405 km, of state highways, 47,927 km. of major district roads, and 93,652 km of village roads (as on March 2002); (b) Railway Length: 5,459 km. of railway routes of which about 77.9% is broad guage, 83% meter guage and 13.8% is narrow guage; (c) Main Railway Stations: Bombay is now Mumbal and Victoria Terminus (47) station Chhatrapati Shivaji Railway Termurus Bandra, Thane, Vasai, Khurd, Pune, Sciapus. Satara, Jalgaon, Bhusaval, Nagpur, Kholapur, Kudal; (d) Airports: Mumbai. There are four airports under the control of International Airport Authority or Airport Authority of India and 3 under the Ministry of Defence, (e) Ports: Mumbai.

Education: (a) Schools 83552; (b) Colleges:1733; c) Universities 52

Employment ('99-00) 34,979,000; Unemployment ('99-00) 7 16%

Famous Forts Pratapgarh, Daulataise Shivneri, Vijaydurg, Sindhudurg, kar is Janjira

Culture: (a) Dances: Tamada (folk dram (a), (b) Festivals: C

(c) Craft: Paithani, Chandrakala, Pasodi, Ghongodi, Dharwadi and brocade sarees, silk-bordered dhoties, himru and bidri work, terracotta pottery, copper and zinc vessels, etc.

Manipur

Date of Formation: 21 Jan 1972 State; 15 Oct., 1949 State (from 1950: Part C); 1 Nov 1956 Union Territory.

Area: 22,327 sq km

Capital: Imphal

Neighbouring States: Mizoram, Assam, Nagaland, Myanmar (country)

Population: 2,166,788; Males: 1,095,634; Females:1,071,154; Urban Population: 23.88%; (a) Population Density; 111; (b) 5ex **Ratio: 978**

Literacy: 70.5%; Males: 80.3; Females: 60.5. No. of Districts: 9

District	Area	Population	Head-	
	(sq km)	(2001)	quarters	
Bishnupur	496	2,05,907	Bishnupur	
Chandel	3,313	1,22,714	Chandel	
Churachandpur	4,570	2,28,707		
Churachandpur				
Imphal East	709	3,93,780	Porompat	
Imphal West	519	4,39,532	Lamphelpat	
Senapati	3,271	3,79,214	Senapati	
Tamenglong	4,391	1,11,493	Tamenglong	
Thoubal	514	3,66,341	Thoubal	
Ukhrul	4.544	1 40 946	Ukhad	

Villages: 2,391; Towns: 33

Governor: Dr. Shivinder 5ingh Sidhu

CM: Okram Ibobi Singh

Legisiative Bodies: State Legislature: Unicameral- Seats: 60; Lok Sabha Seats: 2; Rajya Sabha Seats: 1

Main Political Parties: INC, Federal Party of Manipur, Manipur State Congress Party, CPI, BJP, NCP, Samata Party, Manipur People's Party, Manipur National Conference, Democratic Revolutionary Peoples Party...

Seat of High Court: A permanent bench of the Guwahati High Court, Imphal Bench (functional since 14-3-1992)

Chief Languages: Manipuri

Major Religions: Hinduism, Christianity. Main Towns: Imphal, Thoubal, Churachandpur, Ukhrul, Bishnupur, Senapati, Tamenglong, Chandel.

Geography: (a) Rivers: Barak, Manipur; (b) Mountains: West Manipur Hills, Laimatol Range, Letha Range, East Manipur Hills; (d) Lake: Loktak.

Economy: (a) Minerals: Limestone; (b) Industries: Handloom weaving, cottage industries like sericulture, bamboo and cane articles, rice mills, edible oil crushing and leather goods; (c) Agricultural Products: Paddy, wheat, maize.

Transport & Communications: (a) Road Length: 7,599 km NH. 53, 39; (b) Main Railway Stations: Jiribam; (d) Airports: Imphal

Education: (a) Schools: 4033; (b) Colleges: 63; (c) Universities: 2

Culture: Manipuri dancing is one of the classical dances of India, Male dancers perform acrobatics and the graceful movements of female dancers are delightful.

(a) Dances: Manipuri; (b) Festivals: Dol jatra, Lai Haraoba, Rasa Leela, Chei-raoba, Ningol Chakouba, Imoinu Irtapa, Gaan-Nagai, Lui-Nagai-ni, Yaoshang (Holi), Mera Houcho-ngba, Kut, Id-ul-Fitr, Christmas.

(c) The favourite sport is polo and Manipur claims to have invented it. Polo is also popular in few other places in Asia.

Meghalaya

Date of Formation: 2 Apr 1970 State within Assam; 21 Jan 1972 Separate state

Area: 22,429 sq km Capital: Shillong

Neighbouring States: Assam, Bangladesh (country)

Population: 2,318,822; Males: 1,176,087; Females:1,142,73S; Urban Population: 19.63%; (a) Population Density: 103; (b) Sex **Ratio: 975**

Literacy: 62.6%; Males: 65.4; Females: 59.6.

No. of Districts: 7

District	Area (sq km)	Population (2001)	Head- quarters
East Garo Hills	2,603	2,47,555	Williamnagar
East Khasi Hills	2,748	6,60,994	Shillong
Jaintia Hills	3,819	2,95,692	Jowai
Ri-Bhoi *	2,448	1,92,795	Nongpoh
South Garo Hills	1,887	99,105	8aghmara
West Garo Hills	3,677	5,15,813	Tura
West Khasi Hills	5,247	2,94,115	Nongstoin

* created in June 1992.

Villages: 6,026; Towns: 16

Governor: M.M. Jacob

CM: J.D. Rymbai

Legislative Bodies: State Legislature: Unicameral -Seats: 60; Lok Sabha Seats: 2; Rajya Sabha Seats: 1

Main Political Parties: INC, NCP, United Democratic Party, Meghalaya Democratic Party, BJP, Hill State People's Democratic Party, Khun, Hyneutrip National Awakening Movement...

Seat of High Court: Guwahati. A High Court Bench is located at Shillong.

Chief Languages: Khasi, Garo and English.

Major Religions: Hinduism, Christianity Main Towns: Shillong, Tura, Williamnagar, Nongpoh, Nongstoin, Jowai, Baghmara, Mawphlang

Geography: (a) Rivers: Simsang, Manda, Darming, Ringge, Gamol, Bugi, (Khri, Krishnai, Kapili, Saressvari, Bhogai); (b) Mountains: Garo Hills, Khasi Hills, Jaintia Hills; Nokrek Peak.

Economy: (a) Minerals: Sillimanite, Coal, limestone, dolomite, fireclay, felspar, quartz, glass sand, sandstone; (b) Industries: Cement:Industrial units are fast coming up. There is a public sector cement factory at Cherrapunjee. Meghalaya's hydro-electric and thermal power potential has been estimated at about 2500 and 1000 megawatts respectively; (c) Agricultural Products: Rice

and Maize are the major food crops. Potato, tezpata, sugarcane, oilseeds, cotton, jute, mesta, arecanut besides fruits like pineapple, orange, and bananas are the important products. 'Khasi Mandarin' oranges are famous. Area under forest is 950,000 hectares.

Transport & Communications: (a) Road Length: 7,860 km of both surfaced and unsurfaced roads; (b) Railway: None; (c) Airports: Umroi, 35km from Shillong

Some of the important Places of interest are: Ward's Lake, Lady Hydary Park, Bishop Beadon Falls, Elephant Falls, Uniam Lake, Kyllang Rock, Nohsngithiang falls at Mawsmai, and the monoliths of Nartiang.

Education: (a) Schools: 7531; (b) Colleges: 46; (c) Universities: 1

Culture: (a) Dances: Nongkrem at Smit village; Laho (Jaintias); (b) Festivals: Shad Suk Mynsiem - April 2nd week (Khasis); Wangala Oct-Nov (Garos); Behdiengkhlam at Jowai - July (Jaintias).

Mizoram

Date of Formation: 20 Feb 1987

Area: 21,081 sq km Capital: Aizawi

Neighbouring States: Tripura, Assam, Manipur, Myanmar (country)

Population: 888,573; Males: 459,109; Females: 429,464; Urban Population: 49.50%; (a) Population Density: 42; (b) Sex Ratio: 938

Literacy: 88,8%; Males: 90.7; Fernales: 86.7 No. of Districts: 8

D. Asian	Area	Population	Heat
District	(sq km)	(2001)	ดุผมใหร
Aizawi	3,576	3,39,612	Link
Chambhai	3,186	1,01,357	Chartem
Korrp	1,283	60,477	فاعلىة
	2,557	73,050	Lenenglise
Lawngtlal Lungia	4,533	1,37,155	L. Kwyida
Lungier Klam-l	3,026	62,1	J. 84

Chhimtuipui 1,400 60,823 Saiha Serchhip 1,422 55,539 Serchhip

VIIIages: 817; Towns: 22

Governor: Lt. Gen. (Retd.) M.M. Lakhera CM: Zoramthanga

Legislative Bodies: State Legislature: Unicameral -Seats: 40 members; Lok Sabha Seats: 1; Rajya Sabha Seats:1

Main Political Parties: Mizo National Front, INC, Mizoram People's Conference, Zoram Nationalist Party, Hmar Peoples Convention, Maraland Democratic Front...

vention, Maraland Democratic Front...

Seat of High Court: Guwahati. Abench at
Aizawi

Chief Languages: Mizo and English Major Religions: Christianity

Main Towns: Aizawl, Mamit, Lunglei, Lawngtlai, Saiha, Champhai

Geography: (a) RiversTlawng (or the Dhaleswari), the Sonai and the Tuivawl; (b) Mountains: Mizoram is a land of hills, the highest point being the Blue Mountain (2165 metres).

Economy: (a) Industries: Handloom, rice mills, flourmills, brick making, bamboo handicrafts, sericulture, electronics; (b) Agricultural Products: Maize and paddy. Pulses, sugarcane, chilly, ginger, turmeric, potato, tobacco, vegetables, banana and pineapple are the other important crops.

Transport & Communications: (a) Road Length: 4001.53 km; (b) Main Railway Stations: Bairabi; (c) Airports: Aizawl, Lunglei

Places of Interest Tam Dil - natural Lake, Vantawng Falls, Zotlang, Lunglei . Thenzawl hill station, Champhai resort, and Saitual resort, Dingdi Art gallery.

Education: '(a) Schools: 2489; (b) Colleges: 29; (c) Universities: 1

Culture: (a) Dances: Bamboo dances, Khantum Solokia, Kuallam, Cheraw Kan, Chheiraw and Iam. Chheihlam (recounts heroics around rice beer) and Khuallam (a dance of guests); (b) Festivals: Chapchar Kut, Mim Kut (maize fest-Aug-Sept), Pawl Kut (harvestDec-Jan), Christmas, Easter; (c) Crafts: Puans woven on traditional looms, thi-hi (amber bead necklace), Dar-hi (glass bead necklace), shawls, cane and bamboo work, Lunglei, Chintapai, Vakiria (headgear).

Nagaland

Date of Formation: 1st Dec. 1963

Area: 16,579 sq km Capital: Kohima

Neighbouring States: Manipur, Arunachal Pradesh, Assam, Myanmar (country).

Population:1,990,036; Males: 1,047,141; Females: 942,895; Urban Population: 17.74%; (a) Population Density: 120; (b) Sex Ratio: 909

Literacy: 66.6%; Males: 71.2; Females: 61.5.

No. of Districts: 8

District	Area	Population	Head-
	(sq km)	(2001)	quarters
Dimapur	927	3,08,382	Dimapur
Kohima	3,144	3,14,366	Kohima
Phek	2,026	1,48,246	Phek
Mokokchung	1,615	2,27,320	Mokokchung
Mon	1,876	2,59,604	Mon
Tuensang	4,228	4,14,801	Tuensang
Wokha	1,628	1,61,098	Wokha
Zunheboto	1,255	1,54,909	Zunheboto

VIIIages: 1,317; Towns: 9 Governor: Shyamal Dutta

CM: Neiphiu Rio

Legislative Bodies: State Legislature:: Unicameral-Seats: 60; Lok Sabha Seats: 1; Rajya Sabha Seats: 1

Main Political Parties: INC, Nagaland Peoples Front, BJP, Nationalist Democratic Movement, JD-U, Samta Party, ...

Seat of High Court: Guwahati High Court. A bench is located at Kohima.

Chlef Languages: Angami, Ao, Chang, Konyak, Lotha, Sangtam, Sema and Chakhesang

Major Religions: Hinduism, Christianity Main Towns: Kohima, Phek, Mon, Wokha, Mokokchung, Tuensang, Zunheboto

Geography: (a) Rivers: Dhansiri, Doyang, Dikhu and Jhanji; (b) Mountains: Saramati, the highest peak, is 3841 m high (c) National Intangki, known for the Tragopan, very colourful cock, found only at Phek.

Economy: (a) Minerals: Nagaland's mineral wealth (coal, limestone, iron, nickel, cobalt, chromium and marble) is immense, though unexplored yet; (b) Industries: Nagas make beautiful decorative materials. Nagaland has achieved remarkable progress in small and medium industries. Today the state has 30 industrial units, and over 300 small-scale industries. The Nagaland Sugar Mill at Dimapur has an installed capacity of 1,000 tonnes per day; (c) Agricultural Products: Rice, vegetable.

Transport & Communications: (a) Road Length: 9,860 km; (b) Main Railway Stations: Dimapur; (c) Airports: Dimapur

Education: * (a) Schools: 2058; (b) Colleges: 37; (c) Universities: 1

Culture: (a) Dances: Naga dance and music are intrinsic part of Naga life mostly eulogising bravery, beauty, love and generosity; (b) Festivals: Hornbill festival (1st week of Dec); Sekrenyi of Angamis (Touphema-Kohima, Feb 26-27); Monyu (Pongo-Longleng, Apr 1-3); Moatsu (Chuchuyi-mlang-Mokokchung, May 1-3); Tokhu Emong, Tuluni - of Semas and Christmas. Aoling festival of Konyaks, Pikhuchak festival of Lothas in Wokha; (c) Crafts: wood carving, hand woven shawl,

baskets like Akhi, Akha, Chakhe-sang,

Date of Formation: 15 Aug 1947 Province

Area: 155,707 sq km

Angami jewellery.

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Capital: Bhubaneswar

Neighbouring States: Andhra Pradesh Chhattisgarh, Jharkhand, West Bengal, Bay o Bengal (sea)

Population: 36,804,660; Males 18,660,570; Females: 18,144,090; Urbar Population: 14.97%; (a) Population Density 236; (b) Sex Ratio: 972

Literacy: 63.196; Males: 75.3; Females 50.5.

No. of Districts: 30

No. of Distri			
Distnet	Area	Population	Head
	(sq km)	(2001)	quarter
Angul	6,347	11,39,341	Angu
Bolangir	6,552	13,35,760	Balang.
Balasore	3,706	20,23,056	Balasore
8argarh	5,B32	13,45,601	Bargart
Bhadrak	2,788	13,32,249	Bhadrai
Boudh	4,289	3,73,038	Boudt
Cuttack	3,915	23,40,686	Cuttaci
Deogarh	2,781	2,74,095	Deogart
Dhenkanai	4,597	10,65,983	Dhenkana
Gajapati	3,056	5,18,448	
Paralakhemundi			
Ganjam	8,033	31,36 937	Chhatrapu
lagatsinghpur	1,759	10,56 556	Jagatsinghpu
lajpur .	2,885	16,22 868	Panikoil
lharsuguda	2,202	5,09 056	
Kalahandi	8,197	13 34 372	Bhavanipatn.
Kandhamai	6.004	6 47 912	Phulban
Kendrapara	2,546	13 01 856	Kendrapara
Keonjhar	8,336	15 61 521	Keon,har
Khurda	2 888	18 14 405	Khurda
Koraput	8 5 3 4	11 77 954	Korapus
Malkangin	6115	4 80 232	Makangn
Mayurbhani	10410	22 21 782	Barpina
Nawarangpur	5.135	10 18 171	Nawaradara
Nayagarh	3 424	8 63,934	مسية ولعا
Nawapara	3,408	5 30,524	الشبتنادية
Puri	3.255	14 93,604	
Rayagada	7.85	8,23,019	سسارہ دیج
Sambalpur	* * 2	9 28,889	
Sonepur	2,284	5 40,659	127 -
•			

Villages: 51, 349, Towns: 111 Governor Rameshwar Traus

18,29,412

CM: Naveen Pathalk

Sundargarh

Legislative Bodles: 5222 Azminikration (Unicamera is)

Sapra Seato 21 Rajva Statili Main Political Parties

Dal, INC, BJP, Jharkhand Mukti Morcha, Orissa Gana Parishad, CPI, CPI-M

Seat of High Court: Cuttack

Chief Languages: Oriya

Major Religions: Hinduism, Jainism, Is-

lam

Main Towns: Bhubaneshwar, Cuttack, Chhatrapur, Puri, Sambalpur, Balangir, Jharsuguda, Baragarh, Bhawanipatna, Koraput, Rourkela, Baleshwar, Bhadrak, Nabrangpur, Rayagada, Berhampur, Balangir, Phulbani, Dhenkanal, Kendrapara

Geography: (a) Rivers: Mahanadi, Brahmani, Baitarani, Tel, Pushikulya, Sabari; (b) Mountains: Garhjat Hills, Mahendra Giri; (d) Lake/Reservoir: Hirakud, Balimela, Chilka (The biggest and the most famous lake in Orissa is the Chilka lake. It is 64 km long and 16 to 20 km wide. There are two beautiful islands in the lake namely Parikud and Malud). Hirakud Dam, the fourth largest in the world, on Mahanadi is another attraction. Chilka, the largest brackish water inland lake in Asia, stretches over an area of 1100 sq.km. (d) National Parks: The largest Lion Safari of India, and the only White Tiger Safari in the world, are located on the outskirts of Bhubaneswar.

Economy: (a) Minerals: Chromite, bauxite, dolomite, graphite, iron-ore, coal, copper, kaolin, lead, quartzite, steatite and tin; (b) Industries: The Central Sector Projects are: Steel Plant at Rourkela, SAND Complex at Chhatrapur, Heavy Water Project at Talcher. Coach Repaining Workshop at Mancheswar, Aluminium Complex at Koraput, Captive Power plant at Angul, Aluminium Smelter at Angul and Fertilizer Plant at Paradeep. Major thermal and hydel power stations are Talcher, Hirakud and Chiplima. Other power projects are Upper Indravati, Upper Kolab, Rengali and lb. Centre has cleared a 10,000 MW power project at Hirma, Orissa to be commissioned by 2008; c) Agricultural Products: 64% of the working population is dependent on agriculture. Rice, pulses, oil-seeds, jute mesta, sugarcane (the main cash crop), coco nut and turmeric are important crops. The state contributes one-tenth of the rice production in India.

Transport & Communications: (a Road Length: 3194km NH; 30 km state express highways; 5014 km SH; (b) Railway Length in 2003 was 2,311 km - broad guage and 90 km narrow-guage lines; (c) Main Rail-way Stations: Bhubaneshwar, Puri Cuttack, Brahmapur, Balangir, Raurkela Sambalpur; (d) Airports: Bhubaneshwar There are 13 airstrips and 16 helipads in the state; (e) Ports: Paradeep (major) and Gopalpur (all-weather)

Education: (a) Schools: 55583; (b) Colleges: 618; (c) Universities: 9

Employment ('99-00): 11,928,000; Un-Employment ('99-00): 7.34%.

Culture: (a) Dances: Odissi, the dance form of Orissa, evolved in the shadow of the magnificent temples of the state. Dalkhai (tribal dance), Ghoomra, Ranapa and Chhadaya (folk dance); (b) Festivals: Rath Yatra (Puri), Shraban Purnima, Ashokastami, Chandan Yatra, Snana Yatra and Konark festival; (c) Handloom products of silk and tussar, silver filigree work (tarkashi), Pat chitra paintings, golden glass work.

Punjab

Date of Formation: 15 Aug 1947 Province; 26 Jan 1950 State (until 1956: part (A)

Area: 50,362 sq km

Capital: Chandigarh

Neighbouring States: Jammu & Kashmir, Himachal Pradesh, Haryana, Rajasthan, Pakistan (country)

Population: 24,358,999; Males: 12,985,045; Females: 11,373,954; Urban Population: 33.95%; (a) Population Density: 484; (b) Sex Ratio: 874

Iteracy: 69.7%; Males: 75.2; Females: 4.

of Districts: 17

rict	Area	Population	Head-
	(sq km)	(2001)	quarters
itsar	5,075	30,74,207	Amntsar
thinda	3,377	11,81,236	Bhathinda
ikot	1,472	5,52,466	Faridkot
hgarh Sahib	1,180	5,39,751	Fatehgarh
			Sahib
zepur	5,865	17,44,753	Ferozepur
daspur	3,570	20,96,889	Gurdaspur
niarpur	3,310	14,78,045	Hoshiarpur
dhar	2,658	19,53,508	Jalandhar
urthala	1,646	7,52,287	Kapurthala
hiana	3,744	30,30,352	Ludhiana
rsa G2r	2,174	6,88,630	Mansa
33	1,672	8,86,313	Moga
itsar	2,596	7,76,702	Muktsar
van Shehar	1,258	5,86,637N	lawan Shehar
داه	3,627	18,39,056	Patiala
nagar	2,117	11,10,000	Rupnagar
grur	5,021	19,98,464	Sangrur

Villages: 12,673; Towns: 157

Governor: Gen. (Retd.) SF Rodrigues

CM: Capt. Amannder Singh

Legislative Bodies: Legislature Unicam-I - Seats: 117; Lok Sabha Seats: 13; Rajya

oha Seats: 7

Main Political Parties: INC, Shiromani ali Dal (Badal), BIP, CPI...

Seat of High Court: Chandigarh

Chlef Languages: Punjabi

Major Religions: Sikh, Hinduism, Chris-

nity

Main Towns: Ludhiana, Amritsar, Bathia, Jalandhar, Patiala, Moga, Ambala, Guru-

spur

Geography: (a) Rivers: Beas, Sutluj, Ravi;) Mountains: Katar Dhar (Shiwalik Range),

Shiarpur Choaland, Chandigarh Choaland;) Plain Malwa, Sirhind, Manjha.

Economy: (a) Industries: The chief manuctures are textiles, sewing machines, sports ods, sugar, starch, fertilizers, bicycles, scien-

ic instruments, electrical goods, machine ols and pine oil. A Science City is being set up

Jalandhar, (b) Agricultural Products: Wheat,

rice, maize, bajra, jowar, barley, oilseeds, sugarcane, potato, cotton, pulses, tobacço.

Transport & Communications: (a) Road Length: 48,543 km; (b) Railway Length: 3726.06 km; (c) Main Railway Stations: Ambala, Patiala, Jalandhar, Amritsar, Bhatinda; (d) Airports: An international airport at Rajasansi (Amritsar), Chandigarh, Bathinda, and Ludhiana.

Education: 4(a) Schools: 20037; (b) Colleges: 293; (c) Universities: 8

Employment ('99-00): 8,013,000; Unemployment ('99-00): 4.03%.

Culture: (a) Dances: Bhangra, Gidda and Thumar, (b) Festivals: Gurpurab, Lohri, Dussehra, Diwali, Holi, Hola Mohalla (Anandpur Sahib), Rauza Sharif Urs (Sirhind), Baisakhi (Talwandi Saboo), Chappar Mela, Sheikh Farid Agam Purb (Faridkot), Shaheedi Jor Mela (Sirhind), Harballah Sangeet Sammelan (Jalandhar); (c) Cralts: Pulkari embroidery on bed sheets, durries, shawls, jerseys.

Rajasthan

Date of Formation: 1 Nov 1956 Rajasthan (-full statehood); 25 Mar 1948 Rajasthan Union; 18 Apr 1948 United states of Rajasthan; 30 Apr 1949 United states of Greater Rajasthan (from 1950:Part (B)

Area: 3,42,239 sq km

Capital: Jaipur

Nelghbouring States: Gಲ್ಲವಣ್ಯ No. ಭಾ Delhi, Haryana, Punjab, Pakistan (country)

Population: 56,507.188 29,420,011; Females: 27.387.777 (1723) Population:23.38%; (a) Population Demons 165; (b) Sex Ratio. 922

Literacy: 60 4% Nacs 43.9.

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4/02	11.16	_20,00 1462		

5,037 15,00,420 Banswara Banswara Baran 6,955 10,22,568 Baran 19,63,758 Barmer 28,387 Barmer • 5,066 20,98,323 8haratpur Bharatpur 10,455 20,09,516 Bhilwara Bhilwara 16,73,562 27,244 Bikaner Bikaner Bundi 5,550 9,61,269 Bundi 18,02,656 Chittorgarh Chittorgarh 10,856 16,830 19,22,908 Churu Churu 13,16,790 Dausa Dausa 2,950 Dholpur 3,034 9,82,815 Dho!pur Dungarpur 3,770 11,07,037 Dungarpur Ganganagar 7,944 17,88,487 Ganganagar 12,690 15,17,390Hanumangarh Hanumangarh 11,588 Jaipur 52,52,388 Jaipur laisalmer 38,401 5,07,999 Jaisalmer 10,640 14,48,486 Jalore lalore 11,80,342 Ihalawar 6,219 Ihalawar lhunihunu 5.928 19,13,099 Ihunihunu odhpur 22,850 28,80,777 Jodhpur 5,014 Karoli 12,05,631 Karali Kota 5.481 15,68,580 Kota Nagaur 17,718 27,73,894 Nagaur Pali 12,387 18,19,201 Pali Rajsamand 4,768 9,86,269 Rajsamand 11,16,031 S.Madhopur S. Madhopur 5,043 Sikar 7,732 22,87,229 Sikar Sirohi 5,136 8,50,756 Sirohi Tonk 7,194 12,11,343 Tonk Udaipur 12,511 26,32,210 Udaipur

Villages:: 41,353; Towns: 222 Governor: Smt. Pratibha Patil

CM: Smt. Vasundhara Raje Legislative Bodies: State Legislature:

Unicameral -200; Lok Sabha Seats: 25; Rajya Sabha Seats: 10

Main Political Parties: BJP, INC, Indian National Lok Dal, BSP, JD-U, CPI-M, Lok Jan Shakti Party, Rajasthan Samajik Nyaya Manch...

Seat of High Court: Jodhpur and a bench at Jaipur.

ench at Jaipur.

Chief Languages: Rajasthani, Hindi

Major Religions: Hinduism, Jainism, Islam

Main Towns: Jaipur, Kota, Tonk, Jodhpur, Bikaner, Gandhinagar, Pali, Nagaur, Udai-pur, Bhilwara, Sikar, Alwar, Sawai Madhopur, Baran, Ajmer, Chittorgarh

Geography:(a) Desert: Great Indian

Desert (The Thar); (b) Rivers: Luni, Bana Kali Sindh, Chambal, Indira Gandhi Naha

(Canal); (c) Mountains: Aravalli Range (Gur Shikhar Peak, 1722m), Alwar Hills, Soja Hills, Mewar Hills, Mukandwara; (d) Lake: Reservoirs Sambhar Salt Lake, Gudha, Ran

Pratap Sagar, Gandhi Sagar, Dhebar Laki Mandor (e) Wildlife Sariska Tiger Park-Alwa Keoladeo Ghana National Park. **Economy:** (a) Minerals: zinc concentrate.

emerald, garnet, gypsum, silver ore, asbe-

tos, felspar, mica, rock phosphate, marbl

and red stone; (b) Industries: Textiles, rug ged and woollen goods, sugar, cement, glass sodium, oxygen and acetylene units, pest cides, insecticides and dyes are some of th major industries. Other enterprises includ the manufacture of caustic soda, calciun carbide and ny-lon tyre cord and coppe smelting. Marble work, woollen carpets jewellery, embroidery, articles of leather pottery and brass embossing. Rajasthar handicrafts are famous all over the world; (c Agricultural Products: The principal crop

seeds, cotton, sugarcane and tobacco.

Transport & Communications: (a)
Road Length: 1,S3,734 km; (b) Railway
Length 6228 km; (c) Main Railway Stations

are jowar, bajra, maize, wheat, grams, oil

Jaipur, Jodhpur, Marwar, Kota, Alwar, Sawaa Madho-pur; (d) Airports: Jaipur, Jodhpur **Education:** (a) Schools: 64665; (b) Col

leges: 410; (c) Universities: 1S Employment ('99-00): 19,930,000; Un-Employment ('99-00): 3.13%.

Culture: (a) Dances: Khayal (dance-music), Ghumar during Teej and Gangaur festivals, Panihari, Chari, Kachchi Ghori; (b) Festivals:Deepawali, Vijayadashami, Holi, Teej, Gan-gaur (Jaipur), Urs of Ajmer Sherif and Galia-kot, Christmas; (c) Fairs: tribal Kumbh

of Bene-shwar (Dungarpur), Ramdeora (Jaisalmer), Mahavir fair at Shrì Mahavirji in Sawai Madho-pur, Janbeshwan Fair (Mukam-Bikaner), Kartik Poomima and Cattle Fair



1.14

(Pushkar-Ajmer) and Shyamji Fair (Sikar); (d) Craft: Bandhini (tie and dye) work, block printing, hand-knotted woollen carpets, massoria work, gharas kagzi potterry, pichwais (painting on cloth), phads (cloth scroll painting), lacquer-works.

Sikkim

Date of Formation: 16 May 1975 State

Area: 7,096 sq km Capital: Gangtok

Neighbouring States: West Bengal,

China-Nepal-Bhutan (countries)

Population: 540.851; Males: 288.484; Females: 252,367; Urban Population:11.10%; (a) Population Density: 76; (b) Sex Ratio: 875

Literacy: 68.8%: Males: 76.0: Females: 60.4.

No. of Districts: 4

District	Area (sq km)	Population (2001)	Head- quarters
East	954	1,78,452	Gangtok
North	4,226	31,240	Mangan
South	750	98,604	Namchi
West	1,166	98,161	Cyalshing

VIIIages: 4S2; Towns: 9 Governor: V. Rama Rao CM: Pawan Chamling

Legislative Bodies: State Legislature: Unicameral -Seats: 32; Lok Sabha Seats:1; Rajya Sabha Seats:1

Main Political Parties: Sikkim Democratic Front, INC.

Seat of High Court: Gangtok

Chief Languages: Lepcha, Bhutia, Hindi, Nepali and Limbu

Major Religions: Buddhism, Hinduism. Main Towns: Gangtok, Namchi,

Gyalshing, Mangan, Jelep La, Pemayangtse, Lachen, Yunthang

Geography: (a) Rivers: Teesta, Rangit; (b) Mountains: Kanchenjunga-the highest peak in india is situated here. (c) Khangchendzonga National Park is one of the

highest national parks in the world and includes the world's third highest mountain (Kanchenjunga). Deorali is another National Park. The yak and the musk deer are animals found in Sikkim. There are over 4000 species of plants.

Economy: (a) Minerals: Gold, silver, copper, zinc; (b) Industries: There are units enga-ged in food processing, tanning, watch assembling and distilleries, breweries and flour mills; (c) Agricultural Products: The principal crops are maize, paddy, millet, wheat and barley. Orange, potatoes, apples and cardamom are also produced. Sikkim has the largest area and the highest production of large cardamom in India. Tea is grown in Sikkim.

Sikkim is very rich in varieties of orchids.

Transport & Communications: (a) Road Length: 2383 km; (b) Main Railway Stations: No stations but the closest ones are Siliquri (114 km) and Jalpaiquri (125 km); (c) Airports: Gangtok.

Education: (a) Schools: 764; (b) Colleges: 5; (c) Universities: 2

Culture: (a) Dances: Mask dances of Bhutias, Nepalis and Lepchas are lamous; (b) Festivals: Maghey Sankranti, Durga Puja, Chaite Dasai (Nepali), Pang Lhabsol and Losar (Bhutias), Namsoong and Tendong Hlo Rum Faat (Lepchas); (c) Crafts: Woollen carpets, with Tibetan designs, rough blankets, saris, cane and bamboo works, weed carving, handmade paper and silver were.

Tamil Nadu

Date of Formation: 15 Aug 1947 No. drasprovince; 26 Jan., 1950 State, Until 1956 Part (A); 14 Jan., 1969 Renamed Tamil Nadu

Area: 1,30,058 sq km

Capital: Chennai

Neighbouring States: kerala, Kamataka Andhra Pradesh, Pondichery, Bay of Bengalist Indian Ocean

Population: 62,405,679; Males: 31,400,909; Females: 31,004,770; Urban Population: 43.86%; (a) Population Density: 480; (b) Sex Ratio: 986

Literacy: 73.5%; Males: 82.4; Females:64.4.

No. of Districts: 30

District	Area	Population	Head-
	(sq.km)	(2001)	quarters
Ariyalur	1,937	694,058	Ariyalur
Chennai	174	42,16,268	Chennai
Coimbatore	7,469	42,24,107	Coimbatore
Cuddalore	3,678	22,80,530	Cuddalore
Dharmapuri	9,622	28,33,252	Dharmapuri
Dindigul	6,058	19,18,960	Dindigul
Erode	8,209	25,74,067	Erode
Kancheepuram	4,433	28,69,920 K	ancheepuram
Kanyakuman	1,685	16,69,763	Nagercoil
Karur	11,096*	9,33,791	Karur
Madural	6,565	25,62,279	Madurai
Nagapattinam	2,716	14,87,055 N	Vagapattinam
Namakkal	3,429	14,95,661	Namakkai
Nilgiris	2,549	7,64,826	(Ootty)
•	·	Uda	gamandalam
Perambaloor	3691	11,81,029	Perambaloor
Pudukkottai	4,651	14,52,269	Pudukkottai
Ramana-	-		Ramana-
thapuram	4,232	11,83,321	thapuram
Salem	5,220	29,92,754	Salem
Sivagangai	4,086	11,50,753	Sivagangai
Thanjavur	3,397	22,05,375	Thanjavur
Thenl	2889	10,94,724	Theni
Thinwann-			Thirdvann-
amalai	6,191	21,81,853	amalai
Thiruvarur	2,161	11,65,213	Thiruvarur
Tirunelveli	6,810	28,01,194	Tirunelveli
Tiruvallur	3,424	27,38,866	Tiruvallur
Trichirappalli	5114	23,88,831	Trichirappalli
Tuticorin	4,621	15,65,743	Tuticonn
Vellore	6,077	34,82,970	Vellore
Viluppuram	7,217	29,43,917	Viluppuram
Virudhunagar	4,288	17,51,548	Virudhunagar

Villages: 16,317; Towns: 832 Governor: Surjit Singh Barnala CM: M Karunanidhi

Legislative Bodies: State Legislature: Unicameral-Seats: 234; Lok Sabha Seats: 39; Rajya Sabha Seats: 18

Main Political Partles: All India Dravida Munetra Kazhagam, Dravida Munetra Kazhagam, Tamil Manila Congress (Moopanar), Pattali Makkal Katchi, INC, CPI-M, CPI, BJP, MGR Anna DMK, All India Forward Bloc...

Seat of High Court: Chennai Chief Languages: Tamil

Major Religions: Hinduism, Islam, Christianity.

Main Towns: Chennai, Coimbatore, Madurai, Vellore, Salem, Tanjavur, Cuddalore, Tutucorin, Tirunelveli, Udagamandalam, Nagercoil.

Geography: (a) Rivers: Palar, Kaven, Vaigai, Cheyyar, Ponniyar, Meyar, Bhavani, Tamarapani, Chittar, Vellar, Noyal, Suruli, Vaipar, etc.; (b) Mountains: Along the whole length of thewestern part, is the range of the Western Ghats. The Palghat Gap about 25 km in width is the only marked break in the great mountain wall. To the south of this Palaghat Gap, the range is known as Anamalai (Elephant Hills).

On the east are the Palani Hills on which is situated the famous hill station Kodaikanal. In the famous Ootacamund area of the Nilgiris District, is the highest peak Doddabetta, 2640 metres above the sea level.

Economy: (a) Minerals: Lignite, limestone, magnesite, mica, quartz, felspar, bauxite, gypsum; (b) Industries: Cotton textile, automobiles, chemical fertilisers, paper and paper products, railway wagons and coaches, army tank, cement, iron & steel, computer peripherals and software; (c) Agricultural Products: Rice, maize, jowar, bajra, ragi, pulses, sugarcane, oilseed, cotton, chillies, coffee, tea, rubber, cardamom.

Transport & Communications: (a) Road Length: 150, 095 km; (b) Railway Length 4181 km; (c) Main Railway Stations: Chennai, Madurai, Tiruchirapalli, Coimbatore and Salem; (d) Airports: Meenambakam International, Chennai; Madurai, Tiruchirapalli, Coimbatore, Salem; (e) Ports: Chennai and Thoo-thukudi (Tuticorin), Cuddalore, Nagapattinam.

lucation: (a) Schools: 48389; (b) Cal-: 693; (c) Universities: 28

nployment (99-00): 23,143,000; Uriloyment (99-00): 11,784c.

alture: (a) Dances: Sharachanagiam, kshetra, Kollactam, Kummi, Kevadi, egams; (b) Festivais: Fongai (harvest), kattu (bull fight), Chiprai-Madurai, operukku (on river anksi during sovving jon), Maha-magam festi Dance festivai-malapuram, Kanthun festivai. Karthigai tival, Navaratri festivai. Mudio Festivai.

Tripura

Date of Formation: IT (arruary, 1972. Area: 10,491.69 sq km

Capital: Acercaia

Neighbouring States Account, Wilconson, angladesh (country)

Population:3,199,103; Water 1 540,205; emales: 1,556,973; Urban Population: 7.02%; (a) Population Density: 305; 15; 15es latio: 950

Illiania Trace es and

Major Religions: Hinduism, Islam, Chriscacity

Main Towns: Agartala, Belonia, Kumarghat, Kallashahar, Udaipur, Khowai and Kamaipun

Geography: (a) Rivers: Gomti

Economy (a) Minerals: Natural Gas; (b) inclustries: Registered factories-1282. Hand-icom weaving is the single largest industry. There are several jute factories that make gunny bags and other products for the market ut is essentially a tribal household inclustry. The seriouture industry is developing fest. Energy generated-337.68 m.u. Tripura is acument in natural gas and a number of geo-baced industries have sprung up. There are 209 small scale industrial units in Tripura; (c., Agricultural Products: Rice, sugarrane, jute, mema, possibles, lea and runcers.)

Transport & Communications: (a)
Road Langth: 14,355 km; (b) Railway
Langth: 54 km; (b) Vain Railway Sotions
Wantughat, Charamnagar; (b) Airports

Uttaranchal

Date of Formation: 9 November, 2000 Area: 53,483 sq km

Capital: (provisional): Dehradun

Neighbouring States: UP, Himachal

Pradesh, countries- China and Nepal: Population:8,489,349; Males: 4,325,924; Females: 4,163,425, Urban Population: 25.59%; (a) Population Density: 159; (b) Sex

Ratio: 964

Literacy: 71.6%; Males: 83.3; Fe-males: 59.6.

No. of Districts: 13

District	Area	Population (2001)	Head-
	(sq km)	(2001)	quarters
Almora	3,689	6,30,446	Almora
Bageshwar	1,696	2,49,453	Bageshwar
Chamoli	7,520	3,69,198	Chamoli
Champawat	2,004	2,24,461	Champawat
Dehradun	3,088	12,79,083	Dehradun
Garhwal	5,230	6,96,851	Pauri
Haridwar	2,360	14,44,213	Haridwar
Nainital	3,422	7,62,912	Nainital
Pithoragarh	7,169	4,62,149	Pithoragarh
Rudraprayag	2,439	2,27,461	Rudraprayag
Tehri Garhwal	3,796	6,04,608	New Tehri
Udhamsingh			
Nagar	3,055	12,34,548	Rudrapur
Uttarkashi	8,016	2,94,179	Uttarkashi

Villages: 16,826; Towns: 86 Governor: Sudershan Agarwal

CM: Narain Dutt Tiwari

Legislative Bodies: State Legislature: Unicameral -Seats: 70; Lok Sabha Seats:S; Rajya Sabha Seats: 3; Jurisdiction of High Court: Uttaranchal

Main Political Parties: INC, BJP, BSP, Uttara-khand Kranti Dal, NCP...

Seat of High Court: Nainital

Chief Languages: Hindi, Garhwali, Kumaoni

Major Religions: Hinduism, Sikhism Main Towns: Dehradun, Haridwar and Haldwari-cum-Kathgodam.

Geography: (a) Rivers: Yamuna, Bhagirathi, Ganga, Ramganga, Tons, and Kali; (b) Mountains: Shiwalik range, Great Himalaya, Garhwal Hills, Kumaon Hills; (c) Peaks: Nanda Devi -7817m, Kamet-7756m, 8adrinath-7138m, Dunagiri-7066m, Bandarpunch-63020; (d) Passes: Thaga La, Tsang Chok La, Muling La, Mana Pass, Niti Pass, Darma Pass, Lampiya Dhura Pass, Mangsha Dhura Pass.

(e) Hill Stations: Mussoorie - (Lal Tiba, Gun Hill, Kempty Falls, Łake, Surkunda Devi temple), Dehradun (IFRI, Sahasradhar(a), Chakrata, Nainital & Kumaon (mountaineering), Ranikhet, 8him Tal, Naukuchia Tal, Bage-shwar, and Kausani. (f) Six of the seven national parks including Corbett National Park, Rajaji National Park, Nanda Devi National Park, Valley of Flowers, Kedarnath Sanctuary are in Uttaranchal.

Economy: (a) Minerals: limestone, rock phosphate, dolomite, magnesite, copper greyphyte, soapstone, gypsum, etc.; (b) Industries: forest-based, handicraft; (c) Agricultural Products:

Transport & Communications: (a) Road Length: 19,543 km.; (b) Main Railway Stations: Dehradun, Hardwar, Roorkee, Kotdwar, Kashipur, Udhamsingh Nagar, Kathgodam, Haldwani; (c) Airport Jolly Grant (Dehradun). Airstrips: Pantnagar (Udham Singh Nagar), (Naini-Seni (Pithoragath), Gauchar (Chamoli) and Chinyalisaur (Uttarkashi) - are being built).

Places of Interest: Pilgrimage: Gangotri, Yamunotri, Char Dham (Badrinath, Ke-darnath, Rudraprayag and Chamoli), Joshi-math, Hardwar, Rishikesh, Hemkund Sahib & Nanakmatta. Others: Valley of Flowers, Pindaari Glacier & Milam Glacier (trekking), Roop Kund, Dayara Bugyal, Auli (winter sports), Pithoragarh & Banbassa (rock climbing and trekking), Rishikesh (river rafting).

Education: (a) Schools: 19200; (b) Colleges: 51; (c) Universities: 7

Culture: (a) Dances: folk dances; (b) Festivals: Kumbh Mela / Ardh Kumbh Mela (Hardwar- every 12th / 6th year interval); Devidhura Mela (Chamawat), Nanda Devi Mela (Almor(a), Gauchar Mela (Chamoli), Baisakhi & Maga Mela (Uttarkashi), Uttaraini Mela (Bageshwar), Vishu Mela (Jaunsar Vavar), Peerane-Kaliyar (Roorkee), Nanda Devi Raj Jat Yaatra -every 12th year, and Puranagiri Mela.

Uttar Pradesh

Date of Formation: 15 Aug 1947 United province; 26 Jan, 1950, Uttar Pradesh state (until 1956: Part (A)

Area: 2,38,566 sq km

Capital: Lucknow

Ribar and 3

Neighbouring States: Uttaranonal, Himachal Fradesh, Haryana, Deihi, Pajasthan, Madhya Fradesh, Chnatilogam, Yranonand.

Chitrakoot	3,51.1	8,00,592	Chillatini
Deoria	2,379	27, 10, 176	Denti
Etals	4,446	27,88,270	1111
Etawah	4,126	13,40,041	Harrel
Faizabad	2,015	20,87,914	Lauration
Farrukhabad	2,288	15,77,217	lateloguti
Fatchpur	4,152	23,05,847	Latelgaa
Firozabad	2,361	20,45,737	funzaliad
Cautam Buddha			
l lag ir	1,501	11,91,263	ficul.
Chanabad	1,988	32,89,540	Chandrat
Chaz-pur	3,3/7	30,49,11/	Chargest
Conda	3,788	27,65,754	Consella
Corainpur	3,321	37,84,770	Contablance
Harrarpur	4,695	10,42,374	Harmigar
Hardra	5,986	33,97,414	Harriest
Hathras	2,060	13,33,377	Hallidas
isistan	4,565	14,55,859	CHA
Jauripiur.	4,058	39,11,305	Southard
J. 15.54	5,624	17,46,715	Hinter
jystita Phile hag	st2,470	14,99,193	Finding
far ensul	2,658	13,85,777	Pating
Kargur (Entrat)	3,135	15,84,047	Falingen
(at par ("nagat)	3,613	41, 57,469	Yntiquid

Governor: T.V. Rajeshwar

CM: Mulayam Singh Yadav

Legislative Bodies: State Legislature: Bicameral - Seats: Legislative Council - 108; Assembly -355; Lok Sabha Seats: 80; Rajya Sabha Seats: 31

Main Political Parties: Samajwadi Party, BSP, BJP, INC, Rashtriya Lok Dai, Rashtriya Kranti Party, Apna Dal, CPI-M, Akhil Bharatiya Lok Tantrik Congress, JD-U, Akhil Bharat Hindu Mahasabha, Janata Party, Lok Jan Shakti Party, National Loktantrik Party, Samajeadi Janata Party (Rashtriya)...

Seat of High Court: Allahabad and a bench at Lucknow.

Chief Languages: Hindi and Urdu. Major Religions: Hinduism, Islam.

Main Towns: Lucknow, Allahabad, Kanpur, Varanasi, Gorakhpur, Agra, Jhansi, Saharanpur, Etawah, Meerut, Ghaziabad, Noida, Aligarh, Faizabad.

Geography: (a) Rivers: Ganga, Yamuna, Gomtí, Ghagra, Ramganga, Betwa; (b) Mountains: Lower hills of Shiwalik range, Kaimur range; (c) Plains: Gangetic Plain, Rohilkhand Plain, Avadh Plain, (d) Wildlife: Dudhwa Nat. Park, Corbett Nat. Park. Sanctuaries- Kedarnath, Govind and Chilla.

Economy: (a) Minerals: Limestone, magnesite, coal, rock phosphate, dolomite, silicasand, pyrophylite; (b) Industries: Edible oils, paper, cement, aluminium, railway equipment, industrial chemicals, Handloom, etc.; (c) Agricultural Products: Wheat, rice, maize, barley, gram, sugarcane, potatoes, pulses and oilseeds.

Transport & Communications: (a) Road Length: 1,03,795 km. NH-3774 km, SH-7392 km, District Rd.-9911; (b) Railway Length; c) Main Railway Stations: Lucknow (main junction), Agra, Kanpur, Allahabad, Mughalsarai, Jhansi, Moradabad, Varanasi, Tundla, Gorakhpur, Gonda, Faizabad, Bareilly, and Sitapur; (d) Airports: Lucknow. Kanpur, Varanasi, Allahabad, Agra, Jhansi, Bareilly, Hindon (Gazia-bad), Gorakhp Sarsawa, Fursatganj (Rae-Bareilly).

Education: (a) Schools: 153959; Colleges: 957; (c) Universities: 40

Employment ('99-00): 49,387,000; l

employment ('99-00): 4.08%. Culture: (a) Dances: Kathak; (b) Fe vals: Kumbh Mela, Ardh Kumbh, Ka Pooranmasi, Dewa Sharief (place of W. Ali Shah-Bara-banki); (c) Fair: [hoola fair dolls (Mathura, Vrindavan Ayodhy(Bateswar cattle fair; (d) Crafts: silk saree: brocade (Banarasi silk), chikankari - ha stiched design, zardosi work, metalwi woodcarving, wood work inlaid w

brassware on black sheesham, marblewi

glasswork, glaze pottery, etc.

West Bengal

Date of Formation: 15 Aug 1947 Pt ince; 26 Jan, 1950 State (until 1956: Part

Area: 88,752 sq km Capital: Kolkata

Neighbouring States: Orissa, Jharkha Bihar, Sikkim, countries-Nepal, Bhul Bangladesh; and Bay of Bengal.

Population: 80,176,197; Ma 41,465,985; Females: 38,710,212; Ur Population: 28.03%; (a) Population Den 903; (b) Sex Ratio: 934

Literacy: 68.6%; Males: 77.0; males:59.6.

No. of Districts: 18				
District	Area	Population	ŀ	
	(sq km)	(2001)	qua	
8ankura	6,882	31,91,822	Bar	
8irbhum	4,545	30,12,546		
Bardhaman	7,024	69,19,698	8ardhi	
Kolkata*	185	45,80,544	Ko	
Cooch Behar	3,387	24,78,280	Cooch-l	
Darjeeling	3,149	16,05,900	Darje	
Hooghly	3,149	50,40,047	Chin	
Howrah	1,467	42,74,010	Ho	
Jalpaiguri	6,227	34,03,204	اولدا	
Malda	3,733	32,90,160	English l	
Medinipur*	14,081	96,38,473	Medu	

58,63,717 Berhampore 5,324 hidabad Krishnagar 46,03,756 3,927 a Purulia 25,35,233 6,259 lia Barasat th 24 Parganas 4,094 89,30,295 Alipore th 24 Parganas 9,660 69,09,015 Raiguni 24,41,824 r Dinajour 3.140 15,02,647 Balurghat shin Dinajpur 2,219 te: * The district Medinipur has been bifurcated on uary 1, 2002 into Purba and Paschim Medinipur (the pulation figures of census 2001 are yet to be incorrated)

Villages: 51,043; Towns: 375 Governor: Gopal Krishna Gandhi

CM: Buddhadev Bhattacharaya

Legislative Bodies: State Legislature: nicameral -Seats: 294; Lok Sabha Seats: 2; Rajya Sabha Seats: 16

Main Political Parties: CPI-M, All In-

ia Trinamool Congress, INC, All India Forvard Bloc, RSP, CPI, West Bengal Socialist

Party, Gorkha National Liberation Front...

Seat of High Court: Kolkata

Chief Languages: Bengali

Major Religions: Hinduism, Islam, Christianity

Main Towns: Kolkata, Kharagpur, Medinipur, Asansol, Murshidabad, Howrah, Bardhaman, Siliguri, Purnia

Geography: (a) Rivers: Bhagirathi, Mayurakshi, Damodar, Kangsbati, Teesta, Torsha, Jaldhaka, Mahananda, Subarnarekha and Rupnarayan; (b) Mountains: Susnia Hills, Darjeeling (b) Wildlife: Sundarbans National Park and Tiger Reserve

clay are two important minerals being exploited.; (b) Industries: engineering, automobiles, chemicals, pharmaceuticals, aluminium, ceramics, jute, cotton textiles, tea, paper, leather, footwear, bonemeal, bicycle, dairy, poultry and timber-processing. Central public sector undertakings include locomotive, cable, fertiliser, ship-building and aronance; (c) agricultural Products: Rice,

Wheat, pulses, Oilseed, Potato and Jute.
Transport & Communications: (a)
Lood Length: 79,255 km including 1715

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km NH., (Mar. 31, 1999); (b) Railway Length 3,697.25 km.; (c) Main Railway Stations: Howrah, Asansol, Sealdah, Bandel, Bardhaman, Kharagpur, New Jalpaiguri. Calcutta's Metro Rail project, the first of its kind in the country, was commissioned in 1995; (d) Airports: Dum Dum International (Kolkata), Bagdogra, Kalaikunda, Panagarh, Malda, Barrackpore, Behala, Balurghat and Coochbehar; (e) Ports:

Education: * (a) Schools: 59551; (b) Colleges: 442; (c) Universities: 28

Kolkata and Haldia

Employment ('99-00): 22,656,000; Un-Employment ('99-00): 14.99%.

Culture: West Bengal is known for its textiles; handlooms; Murshidabad and Baluchari silk sarees; Kantha embroidery; cane and bamboo work, leather craft, clay dolls & toys, masks, sholapith works; (a) Dances: Chhau (Purulia), Rabindra Nritya; (b) Festivals: Durga puja is the most important festival along with Kali puja or Diwali. Vasant Pan-chami, Lakshmi puja, Holi, Sivaratri, Janma-shtami, Id-ul-Fitr.

Delhi

Date of Formation: December 1991

Area: 1,483 sq km Capital: Delhi

Neighbouring States: Haryana, UP.

Population: 13,850,507; Males: 7,607,234; Females: 6,243,273; Urban Population: 93.01%; (a) Population Density: 9,340; (b) Sex Ratio: 821

Literacy: 81.7%; Males: 87.3; Females: 74.7.

No. of Districts: 9

Villages: 165; Towns: 62

Lt. Governor: Shri B.L. Joshi

CM: Smt. Sheila Dikshit

Legislative Bodies: Legislature Unicameral -Seats: 70; Lok Sabha Seats: 7; Rajya Sabha Seats 3

Main Political Parties: INC, BJP, NCP, ID-Secular.

Chief Languages: Hindi, Punjabi, Urdu and English.

Major Religions: Hinduism, Islam, Sikhism, Christianity, Jainism

Main Towns: New Delhi, Delhi Cantt, Palam, Mehrauli, Shahdara, Alipur, Badaali, Nazafgarh, Narela.

Geography: Rivers: Yamuna

Economy: (a) Industries: electronics, light engineering machines, automobile parts, sport goods, bicycles, PVC goods, footwears, textiles, fertilisers, medicines, hosiery, leather goods, softwares, etc.; (b) Agricultural Products: wheat, bajra, jowar, gram, maize. Now fruit crops, vegetables, floriculture, dairy and poultry farming are more common.

Transport & Communications: (a) Road Length: Inter-State terminuses: Kasmere Gate, Sarai Kalen Khan and Anand Vihar; (b) Railways Delhi Metro Service is very important connecting important places within the city; (c) Main Railway Stations: Delhi Jn., New Delhi, Hazrat Nizamuddin; (d) Airports: Indira Candhi International Airport, Domestic flight -Palam and for training Safdarjung.

Tourist Destinations: Purana Qila, Qutub Minar, Tughlaqabad Fort, Lal Quila (Red Fort), Jama Masjid, Humayun's Tomb, Lodi Gardens, Jantar Mantar, India Gate, Rashtrapati Bhavan, Sansad Bhavan, Raj Ghat, Bahai Temple, Birla (Lakshmi Narian) Mandir

National Museum, Nehru Memorial Museum, Craft Museum, National Museum of Natural History, National Museum of Modern Art, Central Cottage Industries Emporium (Janpath), States Emporia (Baba Kharak Singh Marg), Dilí Haat - handicrafts.

Education: (a) Schools: 4391; (b) Colleges: 107; (c) Universities: 16

Culture: (a) Festivals: Roshnara festival, Shalimar festival, Qutab festival, Winter Car-

State	NSDP	PC NSDP
Andhra	136173	17916
Arunachal	1628	14771
Asom	29419	11034
Bihar	45878	5445
Chhattisgarh	24980	11952
Goa	6736	49673
Gujarat	106099	20695
Haryana	53110	24820
HP	13320	21543
J&K	13697	13320
Jharkhand	25273	9392
Karnataka	93383	17518
Kerala .	63817	19803
MP	73480	12027
Maharashtra	237112	24248
Manipur	2767	` 11410
Meghalaya	3529	15070
Mizoram	1777	19696
Nagaland	. 3864	18911
Orissa	37049	10021
Punjab	61976	25248
Rajasthan	78761	
Sikkim	1039	
TN	126797	
Tripura	5660	
Uttaranchal	11361	
UP	164137	
WB	144389	
NCT: Delhi	61575	
UTs		
A&N Is.	935	l
Chandigarh	4520	}
D&NH		ļ
Daman&Diu		į
Lakshadweep	,	Ì
Puducherry	3609	

nival, Garden Tourism & Mango festival. Besides International Industrial Exhibitions, Automobile Exhibitions, Defense Exhibitions, etc.

Andaman & Nicobar Is.

Date of Formation: 1 Nov., 1956-Union Territory

Area: 8,249 sq km

Neighbouring States: Sea

Population: 3,56,265; Males: 192,985; Females: 163,280.

Until the colonisation of India, Andaman Islands were inhabited by 4 Negrito tribes viz., the Great Andamanese, Onge, Jarawa & Sentinalese and 2 Mongoloid tribes viz., Nicobarese and Shompens.

(a) Population Density: 43; (b) Sex Ratio: (females per 1000 males): 846

Literacy: 81.18%; Males: 86.07; Females: 75.29.

No. of Districts: 2

District	Area	Population	Head-
	(sq km)	(2001)	quarters
Andaman	6,408	3,14,239	Port Blair
Nicobar	1,841	42,026	Car Nicobar

Area, Sub Divisions, Tehsiis

Sub Division	Tehsils in the Sub division	Area sq km	
	200 014(2)011	20 1011	
1. Mayabunder	1. Diglipur	884	
	2. Mayabunder	1348	
	3. Rangat	1098	
2. South Andaman	1. Port Blair		
	2. Ferrargunj	3010	
3. Car Nicobar	1. Car Nicobar	129	
4. Nancowne	1. Nancowne	1824	

Villages: 547; Towns:3

Lt. Governor: Lt. Gen. (Retd.) M.M. Lakhera

Legislative Bodies: State Legislature: None; Lok Sabha Seats:1; No. of Rajya Sabha Seats None

Seat of High Court: Calcutta H.C., circuit bench at Port Blair.

Chlef Languages: Bengali, Hindi, Telugu, Tamil & Malayalam; Local diafects: Nicobarese, Nicobarese.

Main Towns: Shyamnagar, Nabagram,

Mayabunder, Uttara, Checkpoint, Herbertahad, Bamboo Flat, Wrightmyo, Port Meadows, Wandoor.

Geography: Mountains: The islands form the peaks of several submerged mountain range that extends for almost 1000km between Myanmar and Sumatra. Saddle Peak (732m), is the highest peak. RIvers: Alexendra, Dagmar, Galathea (Gr. Andamans), Kulpong (N. Andamans)

National Parks: Mahatma Gandhi Marine National Park, Rani Jhansi Marine National Park, Middle Button Island, National Park, Mount Harriet National Park, North Button Island National Park, Saddle Peak National Park, South Button National Park, Campbell Bay National Park, Galathea National Park.

Economy: A total of 48,594 hectares of land is used for agriculture purposes. The principal crops are rice, coconuts and arecanut. Other crops are sugarcane, pulses, fruit and vegetables. Spices and rubber are being tried. Fisheries, tourism and ship repairing are the areas that can create jobs. There are 3 newspapers and 22 periodicals. Schools number 316 in all. The islands have a fleet of 57 ships. The installed capacity of power generation is 30,000 kw, with all revenue villages electrified; (a) Industries. There are 1421 registered small scale village units viz., fish processing factory, soft drinks, beverages, PVC conduit pipes, paints, furniture, etc., and handicraft units, (b) Agricultural Products: Rice, pulses, coconut, arecanut, coffee, sugarcane

Transport & Communications: (a) The islands are accessible by air and sea. It is error connected to Kolkata, Chennai by air archer sea to Kolkata, Chennai and Vishakaparam. The UT's transport system serves 9 mayor and from Diglipur to Campbell Bay, Air amount Trunk Road services connects Rampel. Trunk Road services connects Rampel. Trunk are 5 wharfs and 41 jetties linked.

blackñtapped roads; (c) Airports: Port Blair **Education:** (a) 5chools: 356; (b) Colleges: 3; (c) Universities: 0

Chandigarh

Date of Formation: UT since 1966

Area: 114 sq km Capitai: Chandigarh

Neighbouring States: Punjab, Haryana Population: 9,00,914; Males: 508,224; Females: 392,690; Urban Population 89.78%; (a) Population Density: 7903; (b) Sex Ratio:

773

Literacy: 81.76%; Males: 85.65; Females: 76.65.

No. of Districts: One Villages: 24; Towns: 1

Administrator: Gen. (Rtd.) S.F. Rodrigues Legislative Bodies: Lok Sabha Seats:1;

Rajya Sabha Seats: None

Seat of High Court: Punjab & Haryana (at Chandigarh)

Chief Languages: Hindi, Punjabi and English

Major Religions: Sikhism, Hinduism Main Towns: Chandigarh

Economy: (a) Industries: Hosiery, antibiotics, cycles, electrical metres, home appliances, electronic equipments. There are 15
large and medium scale industrial units in
Chandigarh, out of which two are public
sector undertakings. More than 3000 units
are registered under small scale sector and
they offer employment to about 30,000 persons. The neighbouring States have developed industrial estates right next to the city;
(b) Agricultural Products: The Territory has
1,400 hectares of cultivable land. The irrigated area is about 1,450 ha. Wheat, maize
and paddy are the major crops. The forest
covers 27 per cent of the area.

Transport & Communications: (a) Road Length: NH-15.275 km.; (b) Main Railway Stations: Chandigarh; (c) Airports: Chandigarh.

Education: * (a) Schools: 162; (b) Colleges: 21; (c) Universities: 2

Culture: Festivals: Lodhi, Baisakhi

Dadra Nagar Haveli

Date of Formation: 11 Aug 1961

Area: 491 sq km Capital: 5ilvassa

Neighbouring States: Gujarat, Maharashtra

Population: 2,20,451; Males: 121,731; Females: 98,720; Urban Population: 22.89%; (a) Population Density: 449; (b) Sex Ratio: 811

Literacy: 60.03%; Males: 73.32; Females: 42.99.

No. of Districts: One Villages: 70; Towns: 2

Administrator: Rajani Kant Verma.

Legislative Bodies: State Legislature: None; Lok Sabha Seats:1; Rajya Sabha Seats: None

Seat of High Court: Mumbai

Chief Languages: Bhili, Gujarati, Bhilodi, Marathi and Hindi

Maln Towns: Silvassa

Geography: Rivers: Silvasa, Khanvel

Economy: (a) Industries: Textiles, engineering, chemicals, electronics, cottage; (b) Agricultural Products: Ragi, wheat, sugarcane, paddy, pulses, mango, chiku, lichi

Transport & Communications: (a)
Road Length: 556 km; (b) Main Railway
Stations: Vapi is 18 km from Silvassa; (c)
Airports: Nil.

Education: (a) 5chools: 236; (b) Colleges: 0; (c) Universities: 0

Culture: Festivals: Diwaso, Bhawada, Kali Puja.

Daman & Diu

Date of Formation: 30 May 1987 Area: 112 sq km Capitai: Daman

Neighbouring States: Gujarat, Maharashtra, Dadra Nagar Haveli.

Population: 1,58,059 Males: 92,478; Females: 65,581, Urban Population: 36.26%; (a) Population Density: 1411; (b) Sex Ratio: 709 Literacy: 81.09%; Males: 88.40; Females:

70.37.

No. of Districts: 2

District	Area (sq km)	Population (2001)	Head- quarters
Daman .	72	1,13,943	Daman
Diu	40	44,110	Diu

Villages: 23; Towns: 2

Administrator: Rajani Kant Verma.

Legislative Bodies: State Legislature:

None

Legislative Bodies: Lok Sabha Seats: 2;

Rajya Sabha Seats: None

Seat of High Court: Mumbai

Chief Languages: Gujarati, Hindi, Marathi

Major Religions: Hinduism, Christianity

Main Towns: Daman, Diu

Geography: Rivers: Kalem, Bhagwan (Daman)

Economy: (a) Minerals: Salt; (b) Industries: Fishing, tourism, and distillery.

Transport & Communications: (a) Road Length: 191 - Daman, 78 - Diu; (b) Nearest Railway Stations Vapi for Daman and Delvada for Diu; (c) Airports: Daman, Diu

Education: (a) Schools:100; (b) Col-

leges: 2; (c) Universities: 0

Lakshadweep

Date of Formation: 1 Nov 1956 Laccadive, Minicoy, and Amindivi Islands union territory (separated from Madras (see Tarnii Nadu)) 1 Nov 1973. Renamed Lakshadwees

Area: 32 sq km Capital: Kavaratti

Neighbouring States: Kerala, Karrataka,

Arabian Sea

Population: 60,595; Males:31,118; Females: 29,477; Urban Population: 44.47%; (a) Population Density: 1,894; (b) Sex Ratio: 947

Literacy: 87.52%; Males: 93.15; Females: 81.56.

No. of Districts:1. The entire group of islands is considered one district and divided into four tabsils.

Villages: 24; Towns: 3

Administrator: Rajendra Kumar

Legislative Bodies: State Legislature: None; Lok Sabha Seats: 1; Rajya Sabha Seats: None

Seat of High Court: Kerala (located in Kochi)

Chief Languages: Jesen (Dweep Bhasha), Mahal and Malayalam

Major Religions: Islam

Major Islands: Kavarati, Agati, Minicoy, Andrott, Kalpeni, Amini, Kadamatt, Kiltan.

Geography: Its 36 islands covering an area of 32 sq. km only 10 are inhabited. Androth, 4.8 sq. kms, is the largest inhabited island and closest to the Kerala coast.

It is an archipelago of atolls, reeft and banks covered by the sea. The crip cara islands in India are found in Lakir attached There are 27 coral Islands. The 10 remains islands are Andrott, Amini, Acutti, Ict. Chetlat, Kadamath, Kalpeni, Kanaratti (2002) غ التعنية عند عمل and Minicoy) and 17 uninhabitus عند التعنية عند التعنية عند التعنية island is wider than 1.5 km;

Lakshadweep with its lagger and a main 4,260 sq km, 20,060 % of a better waters and about seven laws in income nomic zone, is one of the largest artists to cur nation

Economy: (a) Mineral Industries: Fishing, coatains travel, cost; (c) Agricultura 🏯 nut, Copra, banana

Transport & Cum isiands and Kozii 💤 تا قرار تراويتان ويناهلو

Airports: Agatti; (b) Port: Kavaratti, Minicoy, Agatti, Kadamatt, Kalpeni.

Education: (a) Schools: 36; (b) Colleges: 0; (c) Universities: 0

Puducherry (Pondicherry)

Date of Formation: 7 Jan 1963 Pondicherry union territory

Area: 492 sq. km Capital: Pondicherry

Neighbouring States: Tamil Nadu, Karaikal (T.N.), Mahe (Kerala), Yanam (Andhra Pradesh, Bay of Bengal.

Population: 9,73,829; Males: 486,705; Females: 487,124; Urban Population: 66.57%; (a) Population Density: 2,029; (b) Sex Ratio: 1,001.

Literacy: 81.49%; Males: 88.89; Females: 74.13.

No. of Districts: 4

District	Area (sq km)	Population (2001)	Head- quarters
1. Karaikal	160	1,70,640	Karaikal
2. Mahe	9	36,823	Mahe
3. Pondicherry	293	7,35,004	Pondicherry
4. Yanam	30	31,362	Yanam

Villages: 92; Towns: 6

Lt. Governor: Mukut Mithi CM: N. Rangaswamy

Legislative Bodies: State Legislature: Unicameral -Seats: 30; Lok Sabha Seats:1; Rajya Sabha Seats:3

Political Parties: Indian National Congress, Dravida Munetra Khazagam, Puducherry Makkal Congress, All India Dravida Munetra Kazagam, Tamil Manila Congress - Moopanar, Bharatiya Janatha Party.

Seat of High Court: Madras High Court. Chief Languages: Tamil, Telugu, Malayalam, English and French.

Major Religions: Hinduism, Islam, Christianity.

Main Towns: Pondicherry, Karaikal, Yanam, Mahe.

Geography: Rivers: Gingee, Mahe, Arasalar (Karaikal), Gauthami (Yanam) Economy: (a) Industries: Textiles, computer hardware, electronics, plastic, bicycle parts, alcoholic beverages, electrical appliances, automobile parts, soap, rice bran oil, cotton yarn, sugar, glazed tiles, etc.; (b) Agricultural Products: Rice, pulses, coconut, arecanut, condiments etc. Groundnut, chillies are grown in Yanam.

Transport & Communications: (a) Road Length: 2,443 km.; (b) Main Railway Stations: Villupuram In. (nearest railway link.); (c) Airports: (nearest-Chennai); (d) Port: Pondicherry.

Education: # (a) Schools: 657; (b) Colleges: 27; (c) Universities: 1

Culture: (a) Dances: Podikazhi attam; (b) Festivals: Mascarade (mask festival, Mar-Apr), Masimagam (Feb-Mar), eve of French Bastlle Day- is marked by flags and parade; (c) Crafts: Hand-printed textiles, Kalakari batik, marbling work, handmade paper, bronzework.

Pondicherry's History

The modern history began with the arrival of the French in 1673, who controlled the territory for more than 280 years. The French East India Company established a settlement in 1674. Mahe was founded in 1725, Yanam in 1731 and Karaikal in 1739. Mahe was the site of prolonged battle between Britain and Francein 18th & 19th centuries. The French captured the town in 1726. Yanam was part of the Chola empire.

Karaikal was a part of the Chola empire but was later captured by the Vijayanagaras, Marathas, and finally the French.

In 1954, the French, made a de facto transfer of the four territories to the Union of India. Its de jure transfer took place only in 1956 and the instrument of ratification was signed in 1962.

Note: Education# Source: Eco. Survey 2004-05, S-111, Tab. 9.3)

CENEVUL MOVVEDCE

PART



ાં ભારતાં માર્ચિક કાર્વિક સાંવે ક્ષિત વાર્ધો કર્યો

Icoholics Anonymous Asian Athletics Association : The Amateur Athletics Federation of

C: Atomic Biological and Chemical (Warfare); Audit Bureau of Circulation BLE:Association of Biotechnology Led En-

C: Ante Christum (Before Christ), Alternat-

ing Current; Ashoka Chakra; Air Condi-ACR: Annual Confidential Report

AD: Anno Domini (in the year of our Lord) ADAM: Animated Dissection of Anatomy for

ADB: Asian Development Bank ADBS: Advanced Data Broadcast System

ADC: Aide-de-camp (help or assistant) AFI: Athletics Federation of India

AFMC: Armed Forces Medical College

AFP: Agence France-Presse AG: Accountant General; Adjutant General

ACP: Accelerated graphics port AH: Anno Hegirae (Moha-mmed's flight from

Mecca to Medina, 622 AD) Al: Artificial Intelligence; Air India

AICTE: All India Council for Technical Educa-

AIDS: Acquired Immune Deficiency Syndrome AIFF: All India Football Federation American International Group AIIMS: All India Institute of Medical Sciences

AINEC: All India Newspaper Editors' Confer-

ATTUC: All India Trade Union Congress ALGOL: Algebraic Oriented Language

AM: Ante Meridiem (before noon); Amplitude Modulation

AMIE: Associate Member of the Institute of

Engineers ANA: All Nippon Airways

ANC: African National Congress ANERT: Agency for Non-conventional Energy and Rural Technology

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710 W:

ANZUS: Australia, New Zealand US (Pacific Pact Nations)

AOC: Air Officer Commanding

APCTT: Asian and Pacific Centre for Transfer

AQA:Assessment and Qualification Alliance

APD: Automated Peritoneal Dialysis

APEC: Asia Pacific Economic Cooperation APM: Administered Price Mechanism ARPANET: Advanced Research Project

ART: Assisted Reproductive Technologies

ASCII: American Standard Code for Informa-ASAP: as soon as possible

ASEAN: Association of South East Asian Na-

ASEM: Asia-Europe Meeting

ASLV: Augmented Satellite Launch Vehicle ASSOCHAM: Associated Chamber of Com-

ASP: Application Service Provider, Association of Shareware Professionals

ATEXT: American Telegraphic and Telephon Co. Ltd.

ATM: Automated Teller Machine, Adobe T ATC: Air Traffic Control

ATP: Adenosine Tri-Phosphate

ATS: Anti-Tetanus Serum AU: Astronomical Units; African Union

Manorama Yearbook 2007

Association of Voluntary Agencies ral Development audio Visual Research Centre

Ati Vishisht Seva Medal

R: Aerobic Vehicle for Hypersonic

pace Transportation; Advanced Video oute Terminal Assembler and Recreator

S: Airborne Warning And Control Sys-

Busines to Business

Business to Consumer

: Bhabha Atomic Research Centre

: British Broadcasting Corporation

Bulletin Board Service

sefore Christ

: Bacillus Calmette-Guerin (anti-TB vaccine)

ELUX: Belgium, Nether-lands and Lux-

nbourg

1: Blue Green Algae

EL: Bharat Heavy Electri-cals Ltd

p: brake horsepower

R:Board for Industrial and Financial Re-

construction

MARU: Bihar, Madhya Pradesh, Rajasthan,

Uttar Pradesh

MSTEC: Bangladesh, India, Myanmar, Sri Lanka, Thailand Economic Cooperation

ios: Basic Input Output System

(IS: Bank of International Settlement; Bureaus of Indian Standards

BIT: Binary Digit

BITSAT: Birla Institute of Technology and

Science Admission Test

BOLT: Bombay Stock Excha-nge On-Line Trad-

ing; Build-Operate-Lease-Transfer

BOT:Build, Operate and Transfer

BP: Blood Pressure

BPL: Below Poverty Line

BPO: Business Process Outsourcing

BPR: Business Process Re-engineering

bps: bytes per second

BRO: Border Roads Organi-sation **BSE:** Bombay Stock Exchange

BSF: Border Security Force

BSkyB: British Sky Broadcasting

BSNL: Bharat Sanchar Nigam Limited

C2C: Consumer to Consumer C-in-C: Commander-in-Chief

C-In-C: Commander in

c.v.: Curriculum vitae

C/o: care of

CA: Chartered Accountant

CABE: Central Advisory Board of Education

CAD: Command Area Development; Computer Aided Design

CADA: Command Area Development Authority

CAFOD:Catholic Fund for Overseas Development

CAFTA:Central American Free Trade Agreement

CAG: Comptroller and Auditor General of

CAMPCO: Central Arecanut Marketing and Processing Co-operative

CAN: Calcium Ammonium Nitrate

Cantab: Cantabrigian (of Cambridge University)

CAPA: Centre for Asia Pacific Aviation

CAPART: Council for Advancement of People's Action and Rural Technology

CAPES: Computer-Aided Paper-less Examination System

CAS: Conditional Access System

CAT: Career Aptitude Test; Common Admission Test; Computerized Axial Tomography (also called CT); Computer Adaptive Test

CBA: Colliding Beam Accelerator.

CBDT: Central Board of Direct Taxes

CBFC: Central Board of Film Certification.

CBI: Central Bureau of Investigation

CBM: Confidence Building Measures

CBSE: Central Board of Secondary Education

CBU: completely built-up

CCPD: Continuous Ambulatory Peritoneal Dialysis

CD : Compact disk; Certificate of deposit

CDAC: Centre for the Development of Advanced Computing

CDM: cold dark matter

CDMA: Code Division Multiple Access

GENERAL KNOWLEDGE

A: Comprehensive EconomicCo-operaon Agreement

TA: Certificate for English Language eaching to speakers of Other Languages

: Chief Executive Officer

N: Conseil European pour la Researche lucleare (European Laboratory for Nuclear esearch)

t: Computer Emergency Response Team ompare / refer (L. Confer)

: Chloro Fluoro Carbon

:Common Fund for Commodities

: Compact Fluorescent Lamps

1: Chief Financial Officer

L: Central Forensic Science Laboratory

:NS: Commission on Graduates of Forign Nursing Schools

: Common Gateway Interface

PA:Cumulative Grade Point Average

5: Chief of General Staff; Centimetre, Gram, lecond

: Central Intelligence Agency

IL:Credit Information Bureau India Ltd.

: Criminal Investigation Department

cost, insurance and freight

JAR: Consultative Group on International Agricultural Research

: Confederation of Indian Industry

i: Commonwealth of Independent States

iC: Complex instruction-set computing

iCE: Council for the Indian School Certifi-

tate Examinations

CITU: Centre of Indian Trade Unions

CKD: Completely Knocked Down

CMIE: Centre for Monitoring the Indian Economy

CMP: Common Minimum Programme

CNC: Computerised Numerical Control

CNN: Cable News Network **CO:** Commanding Officer

COD: cash on delivery

COFEPOSA: Conservation of Foreign Exchange and Prevention of Smuggling Act

COMPS: Coastal Ocean Monitoring and Prediction System **COMSAT:** Communications Satellite Corporation

CONCORD: Council of North Indian State for Co-operation and Regional Develop ment

COPRA: Consumer Protection Act

CORBA: Common Object Request Broker Ar chitecture

COSMEP: Consortium of Schools of Mathematics Experience Programme

costford: Centre of Science and Technol ogy for Rural Development

CPI/M: Communist Party of India / Marxis

CPR: Cardio Pulmonary Resuscitation **CPWD:** Central Public Works Department

CRIDA: Central Research Institute for Dry land Agriculture

CRIS: Centre for Railway Information System
CRISIL: Credit Rating Information Services of

India Ltd.

CRM: Customer Relations Management

CRR: Cash Reserve Ratio CRY: Child Relief and You CSC:Customer Service Centre

CSIR: Council of Scientific and Industrial Re

search

CSO: Central Statistical Organisation

CT: Computerised Tomo-graphy

CTBT: Comprehensive Test Ban Treaty

CVC: Chief Vigilance Commission

CVR: Cockpit Voice Recorder

CWC: Chemical Weapons Convention; Con gress Working Committee

Cwt: Hundredweight (112 lb)

CYMK: Cyan, Yellow, Magenta, Kinda

D & C: Dilation and Curett-age

D.Litt.: Doctor of Literature **D.Phil.:** Doctor of Philosophy

D.Sc: Doctor of Science

DAP: Di-Ammonium Nitrate

DC: Direct Current; District of Columbia

DDT: Dichloro-diphenyl-trichloro-ethane

DET: Directory Entry Table

DG: Dei gratia (by the grace of God)

DHSD: Duplex-High Speed Data Service

y Inspector General ct Memory Access ida Munetra Kazhagam nilitarized Zone syribo-nucleic Acid omate of the National Board relopmental Press Bulletin Service rict Primary Education Programme itheria, pertussis and tetanus tal Satellite Broadcasting al subscriber line tal Signal Processing ct to Home ktop Publishing tal Theatre System Volente (God willing) nodar Valley Corporation aital Versatile/Video Disc tal Video Interactive ktop Video-Con-ferencing Software Errors and Omissions Excepted nest & Young Electronic Mailing nergency action message ential Commodities Act ctro Cardiogram export credit quarantee corporation C: Economic and Social Council (UN) ectron Cyclotron Resonance ctronic Data Interchange Electronic Document Management astern Daylight Time lectro Encephalo-gram xclusive Economic Zone European Free Trade Association xempli gratia (for example) Exterior Gateway Protocol xecutive Information System ectro-luminescent : Electronic Intelligence u: Enzyme Linked Immuno-Sorbent As-

ELT: English Learning and Teaching EMI: Equated Monthly Instalments EMRC: Educational Media Research Centre ENIAC: Electronic Numerical Integrator and Calculator ENT: Ear, Nose and Throat **EOF:** end of file EOS: Electronic Online System International **EOU:** Export Oriented Unit EPABX: Electronic Private Automatic Branch Exchange EPCI: Enhanced Proliferation Control Initia-**EPG:** Eminent Persons Group EPI: Expanded Programme of Immunisation **EPIRB:** Emergency Position Indicating Radio **EPNS:** Electroplated Nickel Silver **EPROM:** Erasable, Programmable Read Only Memory **EPS:** Encapsulated Postscript EPZ: Export Processing Zone EQ: Emotional Quotient ER&DC: Electronic Research and Development Center ERM: European Exchange Rate Mechanism **ERNET:** Educational and Research Network ERNIE: Electronic Random Number Indicator Equipment ESA: European Space Agency ESCAP: Economic and Social Commission for Asia and the Pacific ESMA: Essential Services Maintenance Act **ESP:** Extra Sensory Perception **ESR:** Electron Spin Resonance ESSD: Environmentally and Socially Sustainable Development et al.: et alii (and others) et. seq: et sequentia (& what follows) etc. et: cetera (and so forth) ETT: Embryo Transfer Technology **EURATOM:** European Atomic Community **EUTELSAT:** European Telecommunications Satellite EVA: Economic Value Added

G2B: Government-to-Business G7: Group of Seven (US, UK, Germany, France, G2C: Government-to-Citizens Italy, Japan and Canada) G8 includes G7 _{ne environment} GAAP: Generally Accepted Accounting Prac-Organisation Frequently Asked GAIN: Global Alliance for Improved Nutri-GATE: Graduate Aputude Test in Engineer-_{vestigation} GATS: General Agreement on Trade and Se t Reactor 1 of India; Fertilizer Cor-GAVI: Global Alliance for Vaccines a rrency Non-Resident Ac-GBP: Geosphere-Biosphere Programme G.B.E.: Grand Cross of the British Empire ntribution Regulation Act G.B.H.: Grievous Bodily Harm _{Exchange} Management Act acc: Gulf Co-operation Council GCR: Grey Component Replacement on of Indian Chambers of CDP: Gross Domestic Product _{ion} Inter-nationale d'Echecs GDR: Global Depository. Receipt GEDIS: Gateway Electronic Data Interchange _{tional} Football Federation (Fed-_{ternational}e de Football Associa-GEF: Global Environment Fund GEMS: Gateway Electronic Mail Service n Institutional Investors reign Investment Promotion Board G1: Covernment Issue (American soldiers) GHQ: General Headquarters GIS: Geographical Information System Information Report illy integrated robotised engine GJEPC: Gems and Jewellery Export Promo-Fibre optic Link Around the Globe GMAT: Graduate Management Admission _{oreign} Legal Consultant tion Council requency modulation GMDSS: Global Maritime Distress and Safety : Forward Markets Commission CT: Fissile Material Cut-off Treaty CMO: Genetically Modified Organisms GMRT: Clant Metrewave Radio Telescope s: free on board OSDIC: Film Optical Sensing Device for GMT: Greenwich Mean Time Input to Computers GNP: Gross National Product GOOS: Global Ocean Observing Syster FPD: Flat panel display GOP: Grand Old Party (Republican Par FRCP: Fellow of the Royal College of Physicians FPO: Fruit Products Order FRCS: Fellow of the Royal College of Sur-GPA: Grade Point Average CPS: Global Positioning System FRGS: Fellow of the Royal Geographical Society GPSS: Gateway Packet Switching Sy GRACE: Ground Rules and Code of FRS: Fellow of the Royal Society FTII: Films and Television Institute of India FYI: for your information 3G: Third Generation

MMC regret from factors reserved IARI: Indian Agricultus Teesarch natica Geo Referenced Area Management IAS: Indian Administrative Sevice raduate Record Examination IATA: International Air Transport Association स्पर्कास्ट्रांद्रान्तस्प्रीपदुष्ट्र(SexChange) ibid or ib. ibidem (Latin): in the same place Carten Reach Shipbuilders book or chapter . Erginærs liid. IBM: International Business Machines Jeciogical Survey of India IBRD: International Bank for Reconstruction : Geo-S;richronous Satellite Launch Veand Development : Global System for Mobile Communica-IC: Indian (airlines) International Civil Aviation ICAO: : Generalised System Preference Organisation ICAR: Indian Council of Agricultural Research : Goods and Service Tax ICBM: Inter-Continental Ballistic Missile 1: Graphical User Interface ICCR: Indian Council for Cultural Relations rw: Gross Vehicle Weight AL: Hindustan Aeronautics Limited. ICJ: International Court of Justice ICMR: Indian Council of Medical Research B: Hard Black (Pencil) ICPD: International Conference on Popula-BV: Hepatitis-B Virus IDML: Hyper Devices Mark-up Language tion and Development ICRA: Investment Information and Creek IF: High Frequency HFD: High Frequency Doppler Rating Agency of India HIV: Human Immunodeficiency Virus ICRISAT: International Crops Research '- 35-HMI: Himalayan Mountaineering Institute tute for Semi Arid Tropics HMV: His Master's Voice, Heavy Motor Ve-ICSE: Indian Certificate of Secondary Enter hicle Hon: honourable, Honorary ICSI: Intra-Cytoplasmic Specific Experience hp: horse power ICU: Intensive Care Unit HRPT: High Resolution Picture Transmission ICWA: Indian Council of World High HSD: High Speed Diesel ICWAI: Institute of Content in order of HSRRSS: High Spatial Resolution Remote tants of incia Sensing Satellite IDA: International Development Agency HT: High Tension IDBI: Industrial Development Sector - 12 HTML: Hyper Text Markup Language IDE Integrated Describe Electrical HTR: High Temperature Reactor IDF: Irdia Development -- t tp: Hypertext Transfer Protocol LEER ANDREAS OF EASTERN SELECTION FOR UDCO: Housing and Urban Development E-CILES Ccrp. INTO INTERNATION STATE OF THE IV: High Voltage Testing System IVAC: Heating, Ventilating and Air Condi-IES INVESTIGATION TO THE PROPERTY OF THE PARTY oning IEADs interretions force or more with **HVNET:** High Speed VSAT Network وسيزمه يرويهم يبعث Lea: id est (that is) M: Indian Airlines الدارية وترسيدته يوسيوس فيهوي IAKAS: Indian Audit and Accounts Services The the transfer of the star of IAAI: International Airport Authority of Incia

يزا :ميتر

IAEA: International Atomic Energy Agency

IGF: India Growth Fund

IGIDR: Indira Gandhi Institute of Development Research

IGNOU: Indira Gandhi National Open University

IGY: International Geophysical Year

IIMC: Indian Institute of Mass Communica-

IIPA: Indian Institute of Public Administration

IISCO: Indian Iron and Steel Company

IISS: International Institute of Strategic Studies

IIT: Indian Institute of Technology
ILA: Indian Library Association

ILO: International Labour Organisation

IMAP: Internet Mail Access Protocol

IMCO: Inter-government Maritime Consultations Organisation

IMEWS: Integrated Missile Early Warning Satellites

IMF: International Monetary Fund

in cognito: in disguise

INA: Indian National Army

INDIPEX: Indian International Philatelic Exhibition

infra dig infra dignitatum (below status)

I.N.R.I.: lesus Nazarenus Rex Iudaeorum (Jesus of Nazareth, King of the Jews)

INS: Indian Newspaper Society

INSAT: Indian National Satellite

INTACH: Indian National Trust for Art and Cultural Heritage

INTELSAT: International Telecommunication
Satellite

INTUC: Indian National Trade Union Congress

IOC: Indian Oil Corporation

IOU: I Owe You

IP: Internet Protocol

IPC: Indian Penal Code

IPCL: Indian Petro-Chemicals Corporation

IPI: International Press Institute

IPO: Initial Public Offering

IPS: Indian Police Service; Inter Press Servi

IQ: Intelligence Quotient

iq: idem quod (the same as)
IRA: Irish Republican Army

IRBM: Intermediate Range Ballistic Missil

IRC: International Red Cross

IRDP: Integrated Rural Developme Programme

IRE: Indian Rare Earth Ltd.

IREDA: Indian Renewable Energy Develorment Agency

IRRI: International Rice Research Institute

IRS: Indian Revenue Service

ISBN: International Standard Book Numb

ISC: Indian School Certificate

ISDN: Integrated Services Digital Network **ISI:** Indian Standards Institution, Inter St

vices Intelligence

ISKCON: International Society for Krish
Consciousness

150: International Standards Organisation

ISRO: Indian Space Research Organisation **ISSN:** International Standard Serial Number

IST: Indian Standard Time

ITA: Information Technology Agreement

ITBP: Indo-Tibetan Border Police

ITes:InformationTechnology enabled service
ITI: Indian Telephone Industries; Industriating Institute

ITU: International Telecommunication United International University Centre f

Astronomy and Astrophysics

IUCD: Intra-Uterine Contraceptive Device

IUI: Intrauterine Insemination
IVF: In-Vitro Fertilisation

IVM: In-vitro Maturation

I-R: Infra Red

JCO: Junior Commissioned Officer

JEE: Joint Entrance Examination

JIPMER: Jawaharlal Nehru Institute of Pos graduate Medical Education and Researce

JNCASR: Jawaharlal Nehru Centre for A
vanced Scientific Research

JP: Justice of Peace

JPEG: Joint Photographic Expert Group

MBA: Master of Business Administr MBBS: Bachelor of Medicine and Bachelor of C: Kentucky Fried Chicken : Knight of the Garter, Kindergarten SCO: Kudremukh Iron and Steel Company KK: Ku Klux Klan (U S.secret society-Anti-Negro, Anti-Jewish) MT: Kuomintang (Chinese National Party) RC: Konkan Railway Corporation (RL: Kochi Refineries Ltd. KYC: Know Your Customer Kymco: Kwang Yang Motor Company (S. Korea) LASER: Light Amplification by Stimulated Emission of Radiation LASIK: Laser in situ Kerato-mileusis LCA: Light Combat Aircraft LCD: Liquid Crystal Display, Least Common Denominator LCM: Lowest Common Multiple LDL: Low-Density Lipoprotein (Cholesterol) LERMS: Liberalised Exchange Rate Management Scheme LeT: Lashkar-e-Taiba LIC: Life Insurance Corporation (of India) LIPS: Language Independent Programme Subtitles LIS: Land Information System LL.B .: Bachelor of Laws LMC: Large Megallanic Cloud Loc.clt: Loco citato (at the place quoted) LPG: Liquefied Petroleum Gas LSD: Lysergic acid di-ethylamide .. Col .: Lieutenant Colonel ITE: Liberation Tigers of Tamil Elam

1: Monsieur (Mister)

MA: Milliampere

M.D: Doctor of Medicine

mation Technology

Lited Emission of Radiation

Surgery N.bPT: Mumbai Port Trust MCC: Marylebone Cricket Club MCF: Master Control Facility (of ISRO) -Bhopal MCI: Medical Council of India MCLR: Medium Capacity Long Range MDA: market development assistance MFN: Most Favoured Nation MICR: Magnetic ink character recognition MIDI: Musical Instrument Digital Interface MIFOR: Mumbai Inter-Bank Forward Offer MIPS: Million Instructions per Second MIRU: Million Independently targeted re-A.A.: Magisiter Artium (Master of Arts) M1: Money supply with public M3: Aggregate monetary resources MAD: Mutually Assured Destruction MAIT: Manufacturers Association for Infor-

Rate

entry Vehicle

MISA: Maintenance of Internal Security Act Misc.: Miscellaneous MIT: Massachusetts Institute of Technology, US; Master Instruction Tape MKS: Metre Kilogram Second (System) MI: Military Intelligence MLA: Member of Legislative Assembly MIle: Mademoiselle (Miss) MLP: multiple line printer Mme: Madame (Mrs.) MMTC: Minerals and Metals Trading Corporation MMX: Matrix Manipulation Extension; Multimedia extension MNC: Multi-National Corporation MODEM: modulator demodulator MODVAT: Modified Value Added Tax MOR: middle-of-the-Road MOSFET: Metal Oxide Semiconductor Field **Effect Transistor** MOU: Memorandum of Understanding MP: Member of Parliament; Madhya Pradesh MPEG: Motion Picture Experts Group mph: miles per hour MPLAD: Member of Parliament Local Area MARS: Mumbai Amateur Radio Society MASER: Microwave Amplification by Stimu-Development MRA: Moral Re-Armament

IRCP: Member of the Royal College of **Physicians**

RTPC: Monopolies and Restrictive Trade **Practices Commission**

S/MSS: Manuscript/ Manuscripts

ISCI: Morgan Stanley Capital International

T: Metric Ton

ITBE: methyl-tertiary-butyl-ether

ITCR: Missile Technology Control Regime

IVC: Maha Vir Chakra

AA: National Airports Authority

AAC: National Assessment and Accredita-

tion Council

ABARD: National Bank for Agriculture and

Rural Development

AC: National Advisory Council

AFED: National Agricultural Co-operative

Marketing Federation

AFTA: North American Free Trade Agree-

ment

ALCO: National Aluminium Company Ltd. ASA: National Aeronautics and Space Ad-

ministration

ASDAQ: National Association of Securities Dealers Automated Quotation

IASSCOM: National Association of Software and Service Companies

IATO: North Atlantic Treaty Organisation IATPAC: National Transportation Planning and Research Centre

IAV: Net Asset Value

IB: nota bene (note well)

IBE: National Board of Examination

IBOT: National Board of Trade . JBW: Non-Bailable Warrant

NBWL: National Board on Wild Life

NC: Network Computer

NCAER: National Council of Applied Eco-

nomic Research

NCC: National Cadet Corps

NCERT: National Council of Educational Re-

search and Training NCI: Nursing Council of India

NCO: Non-Commissioned Officer

NCSA: National Centre for Supercomputing

Applications: National Computer Security Association

NDA: National Defence Academy

NDC: National Development Council

NDDB: National Dairy Development Board

NDES: New Data Encryption Standard

NEOCONS: Neo-Conservatives

NEXARD: Next Generation Radar (Doppler radar)

NGO: Non-Government Organisation; Non-Gazett-ed Officer

NHPC: National Hydroelectric Power Corporation

NICD: National Institute of Communicable Diseases

NIMHANS: National Institute of Mental Health And Neuro Sciences

NIPER: National Institute of Pharmaceutical Education and Research

NISCAIR: National Institute for Science Communication and Information Resources

NIV: National Institute of Virology

NKC: National Knowledge Commission

NLC: Neyveli Lignite Corporation

NMDC: National Mineral Development Corporation

NMITLI: New Millennium Indian Technology Leadership Initiative

NMR: Nuclear Magnetic Resonance

NMS: Network Management System

NOC: No Objection Certificate NPA: Non-performing Assets

NPC: National Productivity Council

NPCIL: Nuclear Power Corporation of India Ltd.

NPEEE:National Programme for Earthquake Engineering Education

NPL: National Physical Laboratory; Non-performing Loans

NPT: Nuclear Non-Proliferation Treaty

NRF: National Renewal Fund

NRS: National Readership Survey

N&S: Network and Systems **NSA:** National Security Advisor

NSEI: National Stock Exchange of India

G: Nuclear Suppliers Group P: Native Signal Processing

UI: National Students Union of India

TM: Nano Science and Technology Mission

PC: National Thermal Power Corporation

'SC: National Television System Commission

'SE: National Talent Search Examination

& M: Organisation & Methods

APEC: Organisation of Arab Petroleum Ex-

porting Countries

15: Organisation of American States

U: Organisation of African Unity (now AU)

IC: Other Backward Classes

3U: Olfshore Banking Unit

D: Obsessive Compulsive Disorder

IR: Optical Character Recognition

A: Overseas Development Administration

11: Open Data Link Interface

ECD: Organisation for Economic Co-op-

eration and Development

IL: Open General Licence

C: Organisation of Islamic Conference

GS: On India Government Service

4: All Correct (slang)

E: Object Linking and Embedding **VGC:** Oil and Natural Gas Corporation

P: Object Oriented Programme

. clt.: Opero citato (in the work cited)

PCW: Organisation for the Prohibition of

Chemical Weapons

PEC: Organisation of Petroleum Exporting

Countries

PV: Oral Polio Vaccine

RT: Oral Rehyderation Therapy

SCAR: Orbiting Satellite Carrying

Amateur Radio

XFAM: Oxford Committee for Famine Re-

xon: Oxoniensis (of Oxlord University)

AC: Public Accounts committee

AL: Phase Alternation Line

AN: Permanent Account Number

AR: Performance Appraisal Report

PAT: Probt After Tax

PAYE: pay as you earn

PC: post card; Personal Computer

p.c.: per cent

PCA: Professional Chess Association

PCM: Pulse code modulation

PCMCIA: Personal Computer Memory Card International Association

PDA: Presentive Detention Act, Personal Dage tal Assistant

PDS: Public Distribution System

PEARL: Package for Effective Administration of Registered Laws

PFRDA: Pension Fund Regulatory and Development Authority

PEC: Project and Equipment Corporation

PEN: (International club of) Poets, Playwrights, Essayists, Editors and Novelists

PERT: Project Evaluation and Review Technapie

PETA: People for Ethical Treatment of Animals

PGIMER: Post Graduate Institute of Medical Education and Research

PGM-FI: Programmed Fuel Injection

PGP: Pretty Good Privacy

Ph.D.: Doctor of Philosophy (Philosophiae Doctor)

PHDCCI: Punjab, Haryana, Delhi Chamber of Commerce and Industries

PIB: Press Information Bureau

PIGS: Pre-implantation Genetic Screening

PII: Press Institute of India PIL: Public Interest Litigation

PIM: Personal Information Management

PIN: Postal Index Number

Pixel: Picture element

PLAB: Professional and Linguistic Assersment Board

PM: Post Meridiem; Prime Manister

PMG: Post Master General

PATUPEP: Prime Minister's Urban Polenty

Eradication Programme

PNR: Passenger Name Receider

POTA: Presention of Terronom Act

POW: Prisoner of Wat

1RCP: Member of the Royal College of Physicians

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IAC: National Advisory Council

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NAFTA: North American Free Trade Agreement

NALCO: National Aluminium Company Ltd.
NASA: National Aeronautics and Space Administration

NASDAQ: National Association of Securities
Dealers Automated Quotation

NASSCOM: National Association of Software and Service Companies

NATO: North Atlantic Treaty Organisation NATPAC: National Transportation Planning and Research Centre

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sion

NTSE: National Talent Search Examination

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Countries

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ORT: Oral Rehyderation Therapy

OSCAR: Orbiting Satellite Carrying

Amateur Radio

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Oxon: Oxoniensis (of Oxford University)

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ment Board

PM: Post Mendiem; Prime Minister

PMG: Post Master General

PMUPEP: Prime Minister's Urban Poverty

Eradication Programme

PNR: Passenger Name Recorder POTA: Prevention of Tenerium Act

POW: Prisoner of War

PPPP: Public Private Panchayat Partnership PPS: Post Post Scriptum (additional post

script)

Pro-tem: Pro tempore (for the time being)

PROLOG: Programming logic

PS: Post Scriptum (written after); Private Secretary

PSLV: Polar Satellite Launch Vehicle
PSN: Processor Serial Number
PTA: Parent-Teacher Association

PTI: Press Trust of India
PTO: Please Turn Over

PVC: Poly vinyl Chloride; Param Vir Chakra PWD: Public Works Department; Persons

with Disability

PZD: Partial Zonal Drilling

QED: Quod Erat Demonstrandum [which was to be demonstrated or proved]

Q Queue: qed Quod Erat Demon-strandum (that which was to be demonstrated)

QR: Quantitative restriction QSO: Quasi-stellar object qv: quod vide ((which see)

R&D: Research and Development
R&M: Renovation and Modernisation
RABMN: Remote Area Business Message

Network

RAC: Reservation Against Cancellation RADAR: Radio Detecting and Ranging

RAM: Random Access Memory

RAPD: Random Amplified Polymorphic

Deoxyribonucleic Acid

RAW: Research & Analysis Wing

RBI: Reserve Bank of India

RCC: Reinforced Cement Concrete

RD: refer to drawer

RDX: Research Department Explosive

(Cyclotrim-ethylin Trinitrate)
REM: Rapid Eye Movement
RFC: Request for Comments
RH: Rainwater Harvest

RIP: Requiescat in pace (May he or she rest

in peace); Raster Image Processor

RISC: Reduced instruction–set computing
RITES: Rail India Technical & Economic
Services

RLO: Returned Letters Office

RMS: Railway Mail Service RNA: Ribonucleic acid

ROM: Read Only Memory RONW: return on net worth

RPM: Revolutions Per Minute
RSE: Renewable Source of Energy

RSS: Rashtriya Swayam Sewak Sangh

R.S.V.P./R.s.v.p.: Repondez S'il Vous Plait (Reply if you please)

RTG: Radio-isotope Thermoelectric Generator

RTI: Right to Information

SAA: South African Airways

SACLANT: Supreme Allied Commander Atlantic

SASE: Self-addressed stamp-ed envelope

S &T: Science and Technology **SAC:** Space Application Centre

SAIL: Steel Authority of India Limited .

SAM: Surface to Air Missile

SAPTA: South Asian Preferential Trade
Agreement

SARS: Severe Acute Respiratory Syndrome

SASER: Sound Amplification by Stimulated Emission of Radiation

SAT: Scholastic Aptitude Test

SAVE: SAARC Audio-Visual Exchange

SCABA: Self contained Air Breathing Apparatus

SCI: Shipping Corporation of India

SCM: Supply Chain Management

SCSI: Small Computer Systems Interface

SCUBA: Self-contained Underwater Breathing Apparatus

SDR: Special Drawing Rights

SEANWFZ: South East Asia Nuclear Weapons
Free Zone

SEBI: Securities and Exchange Board of India **SENSEX:** Sensitivity Index (of Share Price)

SET: Secure Electronic Transmission

SEZ: Special Economic Zone

SGPC: Siromani Gurudwara Prabandak Committee

SHAPE: Supreme Head-quarters Allied Powers, Europe

SHG: Self Help Group

SIDS: Sudden Inlant Death Syndrome (Crib Death)

SIFT: Sperm Intra-Fallopian Transfer SIM: Subscriber Information Module

SIP: Systematic Investment Planning

SITA: Suppression of Immoral Traffic Act SITE: Satellite Instructional Television Experiment

SLBM: Submarine Launched Ballistic Missile

SLFP: Sri Lanka Freedom Party

SLR: Statutory Liquidity Ratio; Single Lens Reflex

SLV: Satellite Launch Vehicle

SMTP: Simple Mail Transfer Protocol

SMS: Short Message Service

SNA: System Network Architecture SOHO: Small Office Home Office

SOLAS: Safety of Life at Sea

SPCA: Society for Prevention of Cruelty to

Animals SPECT: Single Photon Emission Computed

Tomo-graphy

SPTM: Self-Printing Ticketing Machine

STAR(TV): Satellite Television Asian Region Ltd.

START: Strategic Arms Reduction Talks

STC: State Trading Corporation

STD: Subscriber Trunk Dialling; Sexually

Transmitted Diseases

STP: Software Technology Park

STQC: Standardisation Testing and Quality

Control

SUNFED: Special United Nations Fund for Economic Development

SUV: sports utility vehicle

SVP: Saturated Vapour Pressure

Swift: Secure worldwide immediate fund transfer

SWOT: Strengths, Weaknesses, Opportuni-Ces and Threats

T & D: Transmission & Distribution

TA: Terntorial Army, Travelang Allowance

TACAMO: take charge and move over

TADA: Terrorist and Disruptive Activities (Prevention) Act

TAFE: Technical And Further Education (in

TAFE: Tractor and Farm Equipment Ltd.

TAFTA: Trans-Atlantic free Trade Agree-

TAPS: Tarapur Atomic Power Station

TB: tuberculosis

TBSE: Technology Bureau for Small Enter-

TCP: Transfer Call Protocol, Transmission Control Protocol

TDA: Trade Development Authority

TDMA: Time Division Multiple Access TELCO: Tata Engineering and Locomotive

Company

TEQIP: Technical Education Quality Improvement Programme

TERLS: Thumba Equatorial Rocket Launching Station

TFT: Thin-film Transistor TFYP: Tenth Five Year Plan

TIFAC: Technology and Information Forecasting and Assessment Council

TIFR: Tata Institute of Fundamental Research

TIPS: Technology Information Pilot System

TIPTOP: Tape input-tape output

TISCO: Tata Iron and Steel Company

TLC: Total Literacy Campaign

TMO: Telegraphic Money Order

TNG: The Next Centration

TNT: Trinitro-taluene

TOEFL: Test of English as a fore ye have guage

TPM: Total Productivity Mainter ance

TQM: Total Quality Management

TRACT: Transportable semate Area Communications Terrical

TRIMS: Trade Related have stocked

TRIPS: Trade Related to te lectua

k, jais

TRYSEM: Training of Rural Youth for Selfemployment

TSE: Test of Spoken Eng-lish

TTC: Telemetry, Tracking & Command

TTE: Travelling Ticket Examiner TWE: Test of Written English

TWT: Two Way Time

UAV: Unmanned Aerial Vehicle

UCI: Universal Childhood Immunisation UCIL: Uranium Corporation of India Ltd. **UCLA:** University of California Los Angeles

UCR: Under Colour Removal

UGC: University Grants Commission

UHF: Ultra High Frequency

ULEV: Ultra Low Emission Vehicle **ULFA:** United Liberation Front of Asom

UNCED: UN Conference on Environment &

Development

UNCIP: United Nations Commission for In-

dia & Pakistan

UNCLOS: United Nation Convention on the Law of the Sea

UNCSTD: United Nations Conference on Science and Technology for Development

UNCTAD: United Nations Conference on Trade and Development

UNEP: United Nations Environment Programme

UNESCO: United Nations Educational, Scientific and Cultural Organi-sation

UNFPA: United nations Population Fund

UNI: United News of India

UNICEF: United Nations International Children's Emergency Fund (now, 'United Nations Children's Fund')

UNIDO: United Nations Industrial Development Organisation

UNIFEM: United Nations Development Fund for Women

UNITA: Union for the Total Independence of Angola

UNMOGIP: United Nations Military Observer Group in India and Pakistan

UNOPS: UN Office for Project Services UNPROFOR: UN Protection Force

UNRRA: United Nations Relief and Rehabilitation Administration

UNU: United Nations University **UPA:** United Progressive Alliance **UPS:** Uninterrupted Power Supply UPSC: Union Public Service Commission

URL: Uniform Resource Locator

USAID: United States Agency for Interna-

tional Development USO: Udaipur Solar Observatory

USP: Unique selling proposition

VABAL: Value Based Advance Licensing VAN: Virtual Area Network

VAT: Value Added Tax

VATIS: Value Added Technology Informa-

tion Service

VBT: Vainu Bappu Telescope

VC: Vice-Chancellor, Victoria Cross; Ven-

ture Capital

VCR: Video Cassette Recorder VD: Venereal Disease (see STD)

VDIS: Voluntary Disclosure of Income Scheme

VESA: Video Electronics Standard Association VHRR: Very High Resolution Radiometer

VHS: Video Home System VIP: Very Important Person

VIRUS: Vital Information Resources Under Siege

VPI: Virtual Private Internet

VPP: Value Payable Post

VRML: Virtual Reality Modelling Language

VRS: Voluntary Retirement Scheme **VSAT:** Very Small Aperture Terminal VSSC: Vikram Sarabhai Space Centre

VTEC: Variable Valve Timing and Lift Elec-

tronic Control VTR: Video Tape Recorder

WAIS: Wide Area Information Service WAN: World Association of Newspapers WARDEC: Wargaming Development Cen-

tre

WAY: World ACouncil of Churches WCC: World Council of Churches

WDM: World Debt Market

WEF: World Economic Forum

WFTU: World Federation of Trade Unions

WFUL: World Federation of Trade Unions

WG: Working Group

WGPA: Weighted Grade Point Average

WHO: World Health Organisation

WIMP: Weakly Interacting Massive Particle:

Windows, Icons, Menus, Pointers

WMD: Weapons of Mass Destruction

WMO: World Meteorological Organisation

WPI: Wholesale Price Index WTI: World Tribunal on Iraq

WTO: World Trade Orga-nisation

WTP: willingness-to-pay

WWF: World Wildlife Fund, now renamed

Worldwide Fund for Nature

WWW: World Wide Web

WYSIWYG: What you see is what you

XBT: Expandable Bathy Thermographic

Xmas: Christmas

XML: Extensible Mark-up Language

XPD: X-Ray Photoelectron Diffraction

YMCA: Young Men's Christian Association

YWCA: Young Women's Christian Association

ZIFT: Zygote Intrafallopian Transfer

ZIP: Zone Improvement Flun

ZOPFAN: Zone of Peace, freedom and

Neutrality

9/11: September Eleven

7/7: July Seven

Evole, Authors and Their Rationalities

▲ Brief History of Time: Stephen Hawking (Br) A Chino Passage: John Kenneth Galbraith

Accidental Death of an Anorchist: Dario Fo (It)

A Call to Honour: Jaswant Singh (Ind)

A Clockwork Oronge: Anthony Burgess (Br) A Critique of Pure Reoson: Immanuel Kant (Ger)

A Doll's House: Ibsen (Nor)

A Forewell to Arms: Ernest Hemingway (US)

A Fine Bolonce: Rahinton Mistry (Ind-Can)

A Handful of Dust: Evelyn Waugh (Br)

A Hearbroking Work of Staggering: Genius-Dave Eggers (US)

A House far Mr. Biswas: V.S.Naipaul (Ind-Br)

A Million Mutinies Now: V.S. Naipaul (Ind-Br) A Alidsummer Night's Dreom: William

Shakespeare (Br)

A Passage to England: Nirad C. Choudhuri (Ind-Br)

A Passage to Indio: E.M. Forster (Br)

A Prisoner's Scrapbook: LK, Advani (Ind)

A Sense of Time: H.S. Vatsyayan (Ind)

A Strange and Sublime Address: Amit Chaudhary (Ind)

A Streetcar Named Desire: Tennesse Williams (US)

A Study of History: Arnold J. Toynbee (81)

A Suitable Boy: Vikram Seth (Ind-US) A Tale at Two Cities: Charles Dickens (Br)

A Thousand Doys: Arthur M. Schlesinger

(US) A Thousand Suns: Daminique Lapierre (Fr)

A Village by the Sea: Anita Desai (Ind-US)

A Voice for Freedom: Nayantara Sehgal (Ind)

A Week with Gandhi: Louis Fischer (Fr)

A Waman's Life: Guy de Maupassant (Fr) Absolute Friends: Jahn le Carre (Br)

Absolute Power: David Baklacci (US)

Adam Bede: George Eliot (Br)

Adanis: P.B. Sheay (61)

Adventures of Tom Sawyer: Mark Twain (US) Alternoon Roag: Amit Chaudhan (Ind)

Agni Veena: Kizi Nazrul Idom (Ind)

Akbamama: Abdul Faral (Ind)

Alice in Wonderland: Lewis Carrol (81)

All Quiet on the Western Front: Exactly a Remarque (Ger-Sai-US)

All the king's Ment Robert Positive Arren (US)

All the President's Men: Carl Bernstein (US) & Bob Woodward (US)

All Things Bright and Beoutiful: James Hemot

All's Well that Ends Well: William Shakespeare (Br)

Amor Kosh: Amar Singh (Ind)

An American Dilemma: Gunnar Myrdal (Swe) An American Tragedy: Theodore Dreiser (US) An Areo of Darkness: V.S. Naipaul (Ind-Br)

An Autobiogrophy: Jawaharlal Nehru (Ind) An Equal Music: Vikram Seth (Ind-US)

An Ideolist View of Life: Dr. S. Radhakrishnan (Ind)

Anondmoth: Bankim Chandra Chatterjee (Ind) And Quiet Flows the Don: Mikhail Sholokhov

(Br) Angels & Demons: Dan Brown (US) Angels in America: Tony Kushner (US) Animol Form: George Orwell (Br)

Anno Korenino; LeoTolstoy (Rus) Antony and Cleopatro: William Shakespeare (Br)

Ape and Essence: Aldous Huxley (Br) Around the World in Eighty Days: Jules Verne

Arrowsmith: Sinclair Lewis (US) As You Like It: W. Shakespeare (Br)

Asio and Western Dominance: K. M. Panikkar (Ind) Asion Dramo: Gunnar Myrdal (Swe)

Atonement: Ian Mcewan (Br) August 1914: Alexander Solzhenitsyn (Rus) Aunt Julio and the Scriptwriter: Mario Vargas Llosa (Per)

Autobiogrophy of on Unknown Indian: Nirad C. Choudhun (Ind-Br)

Bobbit: Sinclair Lewis (US)

Back to Methuselah: George Bernard Shaw (Br) Bondicoot Run: Manohar Malgonkar (Ind) Beginning of the Beginning: Bhagwan Sri Rajneesh (Ind)

Being Digital: Nicholas Negroponte (US)

Beloved: Toni Morrison (US) Ben Hur: Lewis Wallace (US) Beyond the Horizon: Eugene O'Neill (US) Bharot Bhoroti: Maithili Saran Gupta (Ind) Biogrophia Literorio: Samuel Taylor Coleridge Black Holes and Baby Universes: Stephen Hawking (Br) Bliss was it in that Dawn: Minoo Masani (Ind) Blink: Malcolm Gladwell (Ind-Br) Blood, brain and beer: David Ogilvy (Br) Bonfire of the Vonities: Tom Wolfe (US) Born Free: Joy Adamson (Cze-Br) Bawling For Cloumbine; Stupid White Men; Roger & Me: Michael Moore (US) Brove New World: Aldous Huxley (Br) Breod, Beouty and Revolution: Khwaja Ahmad Abbas (Ind) Breoklast at Tiffany's: Truman Capote (US) Breakthrough: Gen. Moshe Dayan (Isr) Brick Lane: Monica Ali (Ban-Br) Brothers Koromazov: Feodor Dostoyevsky (Rus)

Codilloc Desert: Marc Reisner (US) Coesor and Cleopatro: George Bernard Shaw

Business @ the Speed of Thought: Bill Gates (US)

Bubble, The: Mulk Raj Anand (Ind)

Byzontium: W.B. Yeats (Ir)

Candido: George Bemard Shaw (Ir) Candide: Voltaire (Fr)

Catch-22: Joseph Heller (US) Cotcher in the Rye: J.D.

Salinger (US) Centenniol: James A. Michener (US) Checkmote: Malorie Blackman (UK) Chemmeen: Thakazhi Siva-sankara Pillai

Cherry Orchord: Anton Chekov (Rus)

Chidomboro: Sumitranandan Pant (Ind)

Nationalities: Alg: Algerian; Austral: Australian; Aus: Austrian; Ban: Bangladeshi; Br: British; Bra: Brazilian; Can: Canadian; Ch: Chinese; Chi: Chilean; Col: Columbian; Cze: Czech; Dan: Danish; Fr: French; Ger: German; GK: Greek; Hun: Hungarian; Ind: Indian; Ir: Irish; Ira: Iranian; Isr: Israel; It: Italian; Jap: Japanese; Mor: Moroccan; Nig: Nigerian; Nor: Norwegian; Pak: Pakistani; Per: Peruvian; Pol: Polish; Rus: Russian; Scot: Scottish; Spa: Spanish; SA: South African; Swe: Swedish; Swi: Swiss; Tib: Tibetan; Tri: Trinidadian;

US: American

Childe Harold's Pilgrimage: Lord Byron (Br)
Chithirappaavai: P.V. Akılandam (Ind)
Chitra: Rabindra Nath Tagore (Ind)
Choma's Drum: K. Shivaram Karanth (Ind)
Chronicle of a Death Foretold: Gabriel Garcia
Marquez (Col)

Circle of Reason: Amitav Ghosh (Ind)
Circles of Silence: Preeti Singh (Ind)
City of Joy: Dominique Lapierre (Fr)
City of Djinns: William Dalrymple (Scot)
Comedy of Errors: William Shakespeare (Br)
Coming of Age in Somoa: Margaret Mead

Common Sense: Thomas Paine (Br-US)
Communist Manifesto: Karl Marx (Ger)
Confessions: J.J. Rousseau (Swi-Fr)
Confessions of a Lover: Mulk Raj Anand (Ind)
Confessions of an English Opium Eater: Thomas De Quincey (Br)

Confidential Clerk: T.S. Eliot (US-Br)
Conquest of Self: Mahatama Gandhi (Ind)
Coolie; Mulk Raj Anand (Ind)

Count of Monte Cristo: Alexander Dumas (Fr)
Coverly Papers: Joseph Addison (Br)

Creotion: Gore Vidal (US)

Crescent Moon: Rabindra Nath Tagore (Ind)
Crime and Punishment: Feodor Dostoyevsky
(Rus)

Crisis into Chaos: E.M.S. Namboodinpad (Ind)
Cry, the Beloved Country: Alan Paton (SA)

Dark Horse: Tami Hoag (US)
Darkness at Noon: Arthur Koestler (Hun-Br)
Darkness Visible: William Styron (US)
Das Kapital: Karl Marx (Ger)
Dovid Copperfield: Charles Dickens (Bri)
Doys of Grace: Arthur Ashe (US) & Arnold
Rampersad (Tri-US)
Death in Venice: Thomas Mann (Ger)
Deoth of a City: Amrita Pritam (Ind)

Deoth of a City: Amrita Pritam (Ind)
Death of a Salesman: Arthur Miller (US)
Debacle: Emile Zola (Fr)

Decameran: Giovanni Boccaccio (It)
Decline and Fall of the Roman Empire: Edward
Cibbon (Bri)

Descent of Man: Charles Darwin (Bri)
Descried Village: Oliver Goldsmith (Ir-Br)
Devdas: Shurat Chandra Chatterjee (Ind)
Diamond Dust: Anita Desai (Ind-US)
Diemma of Our Time: Harold Joseph Laski (Br)
Dielomacy: Henry Kissinger (US)
Discovery of India: Jawaharlal Nehru (Ind)

Distant Drums: Manchar Malgoritar (Ind)
Divine Comedy: Dante Alighteri (It)
Divine Life: Swami Shananda (Ind)
Doctor Zhivago: Boris Pasternak (Rus)
Doctor's Dilenima: George Bernard Shaw (Ir)
Don Juan: Lord Byron (Br)
Don Quixote: Miguel de Cervantes (Spa)
Dr. Jekylland Mr. Hyde: Robert Louis Stevenson
(Scot)
Durgesh Nandini: Bankim Chardra Chatterice

(Ind)
Down Under: Bill Bryson (US)
Dust to Dust: Tami Hoag (US)

Earth: Emile Zola (Fr)
Eats, Shoots & Leaves: Lynne Truss (Br)
Elegy written in a Country Churchyard Tho-

Elegy Written in a Country Churchyard Thomas Gray (Br) Eminent Victorians: Lytton Strachey (Br) Emma: Jane Austen (Br) Ends and Means: Aldous Huxley (Br) English August: Upamanyu Chatterjee (Ind) Essays of Elio: Charles Lamb (Br) Essays on Gita: Sn Aurobindo Chosh (Ind)

Ethics for the New Millennium the Dalai Lama (Tib) Expanding Universe: Arthur Stanley Eddington (Br)

Eternol Himolay os: Major H.P.S. Ahlus ala (Ind)

Faces of Everest: Major H.P.S. Ahluwala (Ind)
Family Matters: Rohinton Mistry (Ind-Can)
Falling Over Backwords: Arun Shoune. (Ind)
Family Reunion: T.S. Elot (US- Br)
Far from the Madding Crowd: Thomas Harry
(Br)

(Br)
Farewell the Trumpets: James Moms (Br)
Farewell to Arms: Ernest Hemingway (US)
Father and Sons: Ivan Turgenev (Rus)
Faust: J.W. Von Goethe (Ger)
Final Days, The: Beb Woodward (US) and Carl
Bernstein (US)

First Circle: Alexander Solzhenits,n (Eus) Five Point Someone, What not to Do at AT Chetan Bhagat (Ind)

For Whom the Beil Teils Errest hondagings (US)

Forsyth Sagar Juhn Calmeurts, (Et)
Fortynine Days: Ameda Fritam (Ind):
Frankenstein, Mary Stiedey (Et)
Freedom at Mianight: Larry Committee
St. Dominque Lapiertie (Et)

French Revolution: Thomas Carlyle (Scat) Friends and Foes: Sheikh Mujibur Rahman (Ban) From Here to Eternity: James Jones (US)

Ganadevata: Tara Shankar Bandopadhyaya (Ind)

Gandhi and Stalin: Louis Fisher (Fr) Gardener: Rabindra Nath Tagare (Ind)

Gathering Storm: Winston Churchill (Br) Ghasiram Katwal: Vijay Tendulkar (Ind)

Gitanjali: Rabindra Nath Tagore (Ind) Glimpses of Warld His-

tory: Jawaharlal Nehru (Ind) Godan: Prem Chand



Winston Churchill

(ind)

Golden Threshald: Sarojini Naidu (Ind) Gane With The Wind: Margaret Mitchell (US) Goad Earth: Pearl S. Buck (US) Good Times, Bad Times: Harold Evans (Br) Gaodbye, Mr. Chips: James Hilton (Br) Grammar of Politics: Harold Joseph Laski (Br) Great Expectations: Charles Dickens (Br) Great Gatsby: F. Scott Fitzgerald (US) Growth of the Soil: Knut Hamsun (Nor) Guide: R.K. Narayan (Ind) Gulag Archipelago: Alexander Solzhenitsyn

Gulliver's Travels: Jonathan Swift (Ir) Gypsi Masala: Preethi Nair (Ind)

Half a Life: V S Naipaul (Ind-Br) Hamlet: W. Shakespeare (Br) Harvest: Manjula Padmanabhan (Ind) Harry Patter and the Gablet of Fire: J.K. Rowling (Br) Heat and Dust: Ruth Prawer Jhabwala (Ger-Br)

Heir Apparent: Dr. Karan Singh (Ind) Heritage: Anthany West (US)

Heroes and Hero Worship: Thomas Carlyle (Scat)

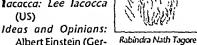
Himaloyon Blunder: Brigadier J.P. Dalvi (Ind) Hindu View af Lile: Dr. S. Radhakrishnan (Ind) Hinduism: Nirad C. Choudhuń (Ind-Br) Homage to Catalonia: George Orwell (Br) How Ta Knaw God: Deepak Chapra (Ind-US) Hullabalaa in a Guava Orchard: Kiran Desai (Ind)

Hunchback of Natre Dame: Victor Hugo (Fr)

Hungry Stones: Rabindra Nath Tagore (Ind.)

lacacca: Lee Iacocca (US)

Albert Einstein (Ger-Swi-US)



I fallow the Mahatma: K.M. Munshi (Ind) Idols: Sunil Gavaskar (Ind)

If I am Assassinated: Z.A. Bhutto (Pak) If Only: Geri Halliwell (Br)

Ignited Minds: A.P.J. Abdul Kalam (Ind) In Defence of Globalisation: Jagdish Bhagwati (Ind-US)

In Evil Haur: Gabriel Garcia Marques (Col) In Memoriam: Alfred Lord Tennyson (Br) In Retraspect: The Tragedy and Lessons of Vietnam -McNamara (US)

In Search of Gandhi: Richard Attenborough (Br)

India in the New Millennium: Dr. P.C. Alexander (Ind) India Changes: Taya Zinkin (Fr)

India Discovered: John Keay (Br) India Divided: Rajendra Prasad (Ind) India: Emerging power: Stephen Philip Cohen

India-Anather Millennium: Romila Thapar

India Unbound: Gurcharan Das (Ind) India of Our Dreams: M.V. Kamath (Ind) India Remembered: Percival & Margaret Spear (Br)

India War of Independence: V.D. Savarkar (ind)

India Wins Freedom: Abul Kalam Azad (Ind) India's Priceless Heritage: N.A. Palkhivala (Ind) Indian Intelligence Unveiled: M.K. Dhar (Ind) Indian Philasophy: Dr. S. Radhakrishanan (Ind) Indira: The Life af Indira Nehru Gondhi: Katherine Frank (US)

Inscrutable Americans: Anurag Mathur (Ind) Inside Asia, Inside Eurape, Inside Alrico, etc. John Gunther (US)

Interpreter of Maladies: [humpa Lahiri (Ind-US)

Interpreting Early India: Romila Thapar (Ind)

Mangrama Yearbook 2007

itimocy: Jean Paul Sartre (Fr) visible Man: H.G. Wells (Br) an Awakening: Shirin Ebadi (Ira) New York Burning?: Larry Collings (US) & Dominique Lapierre (Fr) : Paris Burning? Larry Collins (US) & Dominique Lapierre (Fr)

ai Somnath: K.M. Munshi (Ind) one Eyre: Charlotte Bronte (Br) ean Christophe: Romain Rolland (Fr) oumalism and Politics: Chalapathi Rau, M. (Ind) ulius Coesor: William Shakespeare (Br) 'ungle Book: Rudyard Kipling (Bri) 'unglee Gid: Ginu Kamani (Ind)

Jurossic Park: Michael Crichton (US)

sobella: John Keats (Br)

Komasutra: Vatsyayana (Ind) Kane and Abel: Jeffrey Archer (Br) Kanthapura: Raja Rao (Ind) Kashmir: A Tragedy of Errors: Tavleen Singh Kayar: Thakazhi Sivasankara Pillai (Ind)

Kenilworth: Sir Walter Scott (Scot) Kidnopped: Robert Louis Stevenson (Scot) Kim: Rudyard Kipling (Scot)

King Lear: William Shakespeare (Br) Kubla Khan: Samuel Taylor Colendge (Br)

Lodies Coupe: Anita Nair (Ind) Lo Peste: Albert Camus (Alg-Fr.) Lody Chotterley's Lover: D.H. Lawrence (Br)

Lojja: Taslima Nasreen (Ban)

Lost Burden: Upamanyu Chatterjee (Ind) last Things: C.P. Snow (Br)

Le Contract (Social Contract)

: 11. Rousseau (Fr.)

Lead Kindly Light: Vincent Sheean (US)

Leaders: Richard Nixon (US)

Ecores of Gross: Walt Whit-man (US)

les Miserables: Victor Hugo (Fr.) Locathon: Thomas Hobbes (Br)

We Daine: Sri Aurobindo (Ind)

L'e is Elsewhere: Milan Kundera (Cze-Fr.)

Lie cl Pi: Yann Mortel (Can)

L'e ci Samuel Johnson: James Boswell (Scot) Langto Tell the Tale: Gabriel Garcia Marquez (Ccl)

(Rus-US)

lordness of the Long Distance Runner: Allan Sidoe (Br)

Long Doy's Journey into Night: Eugene O'ties I (US)

Long Walk to Freedom: Nelson Markela (SA) Look Back in Anger: John Osborne (Er) Lord of the flies: William Coking (Br) Love Story: Erich Segal (US)

Mocbeth: W. Shakespeare (Br) Mogic Mountoin: Thomas Mann (Ger) Mohotmo Gondhi and his Apostles: Ved Manta (Ind-US) Mohatma Gandhi: Romain Rolland (Fr) Main Street: Sinclair Lewis (US) Making Sense of Chindia: Jairam Ramush (Ind) Molgudi Doys: R.K. Narayan (Ind) Man and Superman: George Bernard Shaw (Ir) Mon of Property: John Galsworthy (Br) Man, Beast and Virtue: Eulgi Pirandello (Br-Ita)

Man-eaters of Kumaon: Jim Corbett (Br) Monoging for the future: Peter Drucker (US) Managing for Results: Peter Drucker (US) Mankind and Mather Earth: Amold Toyt-bee (Br)

Many Werlds: K. P. S. Menon (Ind) Maximum City: Bombay Lost and found. Suketu Mehta (Ind-Br)

Mayor of Casterbridge: Thomas Hardy (B1) Mein Kampf: Adolf Hitler (Ger) Memories of Hope: Gen. Charles de Gaulle (Fr) Men are from Mars, Women are from Yerius. John Gray (US)

Middle March: George Eliot (Bri) Midnight in the Garden of Good and Esd. Juhn Berendt (US)

Midnight's Children: Salman Rushdee (Ind-Br) Mill on the Floss: George Eliot (Br)

Minorities in a Democracy: Humayun Katar (Ind) Moby Dick: Hermann Mehalle (US)

Moonwalk: Michael Jackson (US) Mother India: Katherine Misjo (US) Mother: Maxim Corky (Rus) Much Ado About Nothing: William Shaking water

Murder in the Cathedral: T.S. Esc. (US-Et)

My Days: R. K. Narayan (Ind)

My India: S. Nahal Sarah (Ind)

My Life: Bill Clinton (US)

My Life and Times (V. V. Car. (ind) My Music, My Life, Pt. Ran Dissiling (b. 3 My Oan Soraell M. Indays Links 1933 19

My Free death of rear R. Verander Storners (1989) Mystic River: Dennis Lehane (US) My Son's Father: Dom Moraes (Ind) My Story: Jackie Chan (CH) My Truth: Indira Gandhi (Ind)

Nana: Emile Zola (Fr) Never At Home: Dom Moraes (Ind) New Dimensions of India's Foreign Policy: A. B.Vajpayee (Ind) Nice Guys Finish Second: B.K. Nehru (Ind) Nineteen Eighty Four: George Orwell (Br) Nisheeth: Uma Shankar Joshi (Ind) No Full Stops in India: Mark Tully (Br) No Logo: Naomi Klein (Can) Northern Lights: Philip Pullman (Br) Nostradamus and his Prophecies: Edgar Leoni Nostromo: Joseph Conrad (Pol-Br) O'Jerusalem: Larry Collins (US) & Dominique Lapierre (Fr) Odakkuzhal: G. Shankara Kurup (Ind) Of Human Bondage: W. Somerset Maugham (Br) Oliver Twist: Charles Dickens (Br) On The Threshold of Hope: Pope John Paul II (Pol)

One Hundred Years of Solitude: Gabriel Garcia Marquez (Col) One World and India: Arnold Toynbee (Br) One World: Wendell Wilkie (US) Operation Bluestar: The True Story: Lt. Gen. K.S.

Brar (Ind)

Operation Shylock: Philip Roth (US) Othello. William Shakespeare (Br) Our Films, Their Films: Satyajit Ray (Ind)

Out of Africa: Isak Dinesen (Dan)

Painter of Signs: R. K. Narayan (Ind) Pakistan Cut to Size: D. R. Mankekar (Ind) Pakistan: The Gathering Storm: Benazir Bhutto (Pak)

Pale Blue Dot: Carl Sagan (US) Panchatantra: Vishnu Sharma (Ind) Paradise Lost: John Milton (Br)

Pather Panchali: Bibhuti Bhushan (Ind) Potriotic Gore: Edmund Wilson (US)

People Like Us: Pavan Varma (Ind)

Peter Pan: J. M. Barrie (Br)

Plain Speaking: N. Chandra-babu Naidu (Ind)

Plan of Attack: Bob Wood-ward (US) Pleading Guilty: Scott Turow (US)

Manorama Yearbook 2007

Portrait of India: Ved Mehta (Ind-US) Post Office: Rabindra Nath Tagore (Ind) Prelude: William Wordsworth (Br) Preoccupations: Seamus Heaney (Ir) Present at the Creation: Dean Acheson (US) Pride and Prejudice: Jane Austen (Br) Prince: Niccolo Machiavelli (It) Principia Mathematica: Bertrand Russell- (Br) Prison Diary: Jayaprakash Narayan (Ind) Private Lives: Noel Coward (Br) Profiles in Courage: John F. Kennedy (US) Pygmalion: George Bernard Shaw (Ir)

Rabbit, Run: John Updike (US) Rangbhoomi: Prem Chand (Ind) Ravan & Eddie: Kiran Nagarkar (Ind) Reading Lolitha in Tehran: Azar Nafisi (Ira) Rebecca: Daphne du Maurier (Fr) Rebel, The: Albert Camus (Alg-Fr) Red Badge of Courage: Stephen Crane (US) Red Earth and Pouring Rain: Vikram Chandra

Red Star Over China: Edgar Snow (US) Reflections on the French Revolution: Edmund Burke (Br) Remembering Babylon: David Malouf (Austral)

Rendezvous with Rama: Arthur C. Clark (Br)

Revolution from Within: Gloria Steinem (US) Riding the Storm: Harold MacMillan (Br) Riot: A Novel: Shashi Tharoot (Ind) Rise and Fall of the Third Reich: William L. Shirer

Robinson Crusoe: Daniel Defoe (Br) Romeo and Juliet: William Shakespeare (Br) Room at the Top: John Braine (Br) Rosencrantz and Guildenstem are Dead: Tom Stoppard (Br)

Rubaiyat-i Omar Khayyam: Edward Fitzgerald (Br)

Saket: Maithili Sharan Gupta (Ind) Sanctuary: William Faulkner (US) Scam, The: Who Won, Who Lost, Who Got Away: Debashis Basu (Ind) and Sucheta Dalal (Ind) Scarlet Letter: Nathaniel Hawthome (US) Secrets and Lies: Dilip Hiro (Ind-Br) Seven Lamps of Architecture: John Ruskin (Br) Seven Summers: Mulk Raj Anand (Ind) Sexual Behaviour in the American Male: Alfred

Kinsey (US)

adaw and Act: Ralph Ellison (US) odow from Lodokh: Bhabani Bhattacharya ontorom: Gregory David Roberts (Ind-Br) ope of Things to Come: H. G. Wells (Br) e Staops to Conquer: Oliver Goldsmith (Ir-Br) dharto: Hermann Hesse (Ger) ent Spring: Rachel Carson (US) x Characters in Seorch of an Author: Luigi Pirandello (It) x Easy Pieces: Richard P. Feynman (US) aughter House Five: Kurt Vonnegut (US) nall is Beoutiful: A study of Economics os if People Mattered: Ernst Schumacher (Germall Island: Andrea Levy (Br) nokes and Lodders: Essays on Indio: Gita Mehta (Ind-US) now Country: Yasunari Kawabata (Jap) olie's World: Jostein Gaarder (Nor) ohrab and Rustom: Mathew Amold (Br) ions of Fortune: Jeffrey Archer (Br) ions and Lovers: D. H. Lawrence (Br) iophie's Choice: William Styron (US) ioul and Structure of Governonce in India: Jagmohan (Ind) Spause: The Truth About Morrioge: Shobha De (Ind) Star: A Novel: Pamela Anderson (US) Story of My Life: Moshe Dayan (Isr) Strangers and Brothers: C. P. Snow (Br) Strife: John Galsworthy (Br) Stupid White Men: Michael Moore (US) Sun Stone: Octavio Paz (Mex) Sunny Days: Sunil Gavaskar (Ind) Swami and Friends: R. K. Narayan (Ind) Talisman: Sir Walter Scott (Scot) Tarzan of the Apes: Edgar Rice Burroughs (US) Tempest: William Shakespeare (Br) Tender is the Night: F.Scott Fitzgerald (US) Tenth Insight: James Redfield (U.S) Thank You, Jeeves: P. G. Wodehouse (Br-US) The Adventures of Sherlock Holmes: Arthur Conan Doyle (Br) The Attluent Society: John Kenneth Galbraith

The Age of Reason: Jean Paul Sartre (Fr)

The Ageny and the Ecstosy: Irving Stone (US)

US)

The Aziroda: Bob Woodward (US)

The Alchemist: Paulo Coelho (Bra) The Algebra of Infinite Justice: Arundhati Roy (Ind) The Ambossodars: Henry James (US-Br) The Applecort: George Bernard Shaw (Ir) The Argumentative Indian: Amartya Sen (Ind) The Arrangement: Elia Kazan (US) The Art of Hoppiness: Dalai Lama (Tib) & Howard C. Cutler (US) The Bonyon Tree: Hugh Tinker (Br) The Best and the Brightest: David Halberstam The Better Mon: Anita Nair (Ind) The Big Fishermon: Lloyd Douglas (US) The Block Hole: Richard Preston (US) The Bride's Baok of Beauty: Mulk Raj Anand (Ind) The Bridges of Modison County: R.J. Waller The Concer Word: Alexander Solzhenitsyn (Rus) The Call of the Wild: Jack London (US) The Conterbury Toles: Geoffrey Chaucer (Br) The Coptive of the Coucosus: Alexander Pushkin (Rus) The Cordinol: Henry Morton Robinson (US) *The Coretaker:* Harold Pinter (Br) The Costle: Franz Kafka (Cze) The Cot and Shakespeare: Raja Rao (Ind) The Chonging World of the Executive: Peter Drucker (US) The Civil War: Shelby Foote (US) The Clown: Heinrich Boll (Ger) The Coup: John Updike (US) The Court Doncer: Rabindra Nath Tagore (Ind) The Crucible: Arthur Miller (US) The Da Vinci Code: Dan Brown (US) The Day of the Locust: Nathaniel West (US) The Deoth of Vishnu: Manil Suri (Ind) The Degeneration of India: T.N. Seshan (Ind) The Diory of a Young Girl: Anne Frank (Ger) The Double Helix: James D. Watson (US) The End of a Beautiful Era: Joseph Brodsky (Rus-US) The End of History ond the Last Mon: Francis Fukuyama (US) The English Roses: Madonna (It-US) The Executioner's Sang: Norman Mailer (US) The Eye of the Storm: Patrick White (Austral) The For Pavilions: M.M. Kaye (Br) The Forowoy Music: Svetlana Allilueva (Rus-

The Feminine Mystique: Betty Friedan (US) The Fifth Horseman: Larry Collins (US) and Domnique Lapierre (Fr) The Fire Next Time: James Baldwin (US)

The Forbidden Sea: Tara Ali Baig (Ind)

The French Lieutenant's Woman: John Fowles

The Fury: Salman Rushdie (Ind-Br)

The Future of India: Politics, Economics and Governance: Bimal Jalan (Ind)

The Ginger Man: J.P. Donleavy (US) The Glass Palace: Amitav

Ghosh (Ind) The God of Small Things: Arundhati Roy (Ind)

The Godfather: Mario Puzo

The Golden Gate: Vikram Seth (Ind-US)



The Golden Notebook: Doris Lessing (Br) The Grapes and the Wind: Pablo Neruda (Chi) The Grapes of Wrath: John Steinbeck (US) The Great Challenge: Louis Fischer (Fr) The Great Indian Novel: Shashi Tharoor (Ind) The Great Unravelling: Paul Krugman (US)

The Green Knight: Iris Murdoch (Br) The Guns of August: Barbara Tuchman (US) The Heart of the Matter: Graham Greene (Br) The Heart is a Lonely Hunter: Carson McCullers

The Hitchhiker's Guide to the Galaxy: Douglas

The Homet's Nest: Jimmy Carter (US) The Horse Whisperer: Nicholas Evans (Br)

The Horseshoe Table: An Inside View of the UN Secunty Council: Chinmaya R. Gharekhan

The Hot Zone: Richard Preston (US)

The House of the Spirits: Isabel Allende (Chi) The Humboldt Gift: Saul Bellow (US)

The Hungry Tide: Amitav Ghosh (Ind)

The Idiot: Feodor Dostoyevsky (Rus) The Importance of Being Earnest: Oscar Wilde(Ir)

The Interpreters: Wole Soyinka (Nig)

The Inscrutable Americans: Anurag Mathur

he Invisible Man: Ralph Ellison (US) he Joke Man Kundera (Cze-Fr)

ne Judge: Steve Martini (US)

e Judgement: Kuldip Nayar (Ind)

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The Keeper of the Keys: Milan Kundera (The Last Song of Dusk: Sidharth Sangh The Last Temptation of Christ: Kazantzak . The Legends of Khasak: O.V. Vijayan (Inc The Little Prince: Antoine de Saint-Exuper The Making of a Midsummer Night's D David Selbourne (Br) The Man Without Qualities: Robert Musil (The Mandann: Simon de Beauvoir (Fr)

The Masters: C. P. Snow (Br) The Medium is the Massage: Marshall Mclub

The Men Who Killed Gandhi: Manohar Malgonk

The Merchant of Venice: William Shakespear The Middle Ground: Margaret Drabble (Br)

The Mind of the C.E.O: Jeffrey E. Garten (US) The Miniaturist: Kunal Basu (Ind)

The Minister's Wife: Amaresh Mishra (Ind) The Miser: Moliere (Fr)

The Moon and Sixpence: W. Somerset Maugham The Monk Who Sold His Ferrari: Robin S.

The Moor's Last Sigh: Salman Rushdie (Ind

The Namesake: Jhumpa Lahiri (Ind-US) The Name of the Rose, The Mysterious Flam Queen Loana: Umberto Eco (It) The Narrows: Michael Connelly (US)

The New American Militarism: Andre The Night Manager: John le Carre (Br)

The Old Man and the Sea: Emest Hemingway

The Origin of Species: Charles Darwin (Br) The Other Side of Midnight: Sidney Sheldon (US) The Painted Veil: W. Somerset Maugham (Br)

The Pickwick Papers: Charles Dickens (Br) The Pilgrim's Progress: John Bunyan (Br) The Power and the Glory: Graham Greene (Br) The Power of Positive Thinking: Norman Vincent Paale

The Private Life of Chairman Mao: Dr.Li Zhisii

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The Proper Study of Mankind: Isaiah Berlin (Br) The Rain King: Saul Bellow (US)

The Rape of the Lock: Alexander Pope (Bri) The Red Carpet: Bangalore Stories: Lavanya

The Return of the Native: Thomas Hardy (Br)

ne Rights of Man: Thomas Paine (Br-US) he Road Aheod:Bill Gates (US)

he Robe: Lloyd C. Douglas (US)

he Roots: Alex Haley (US)

he Satanic Verses: Salman Rushdie (Ind-Br) he Second Warld War: Winston Churchill (Br)

he Secret Life af Bees: Sue Monk (US)

he Seven Spirituol Laws of Success: Deepak

Chopra (Ind-US)

The Sheltering Sky: Paul Bowles (US-Mor)

he Shoes of the Fisherman: Morris L. West

(Austral)

The Social Controct: Rousseau (Swi-Fr)

The Song of Susonnoh: Stephen King (US)

The Songs of Indio: Sarojini Naidu (Ind)

The Sound ond the Fury: William Faulkner (US) The Spirit of the Age: William Hazlitt (Bri)

The Story of My Experiments with Truth: Ma-

hatma Gandhi (Ind)

The Story of the Integrotion of the Indion Stotes: V.P. Menon ()

The Stronge and Sublime Address: Amit Chaudhuri

The Struggle and the Triumph: Lech Walesa (Pol)

The Struggle in My Life: Nelson Mandela (SA)

The Sword and the Sickle: Mulk Raj Anand (Ind) The Testoment: John Grisham (US)

The Thief Lord; Inkheort; Dragon Rider: Cornelia Funke (Ger)

The Third Wave: Alvin Tofler (US)

The Time of the Hero: Mario Vargas Llosa (Per)

The Total Zone: Martina Navaratilova (Cze-US)

The Tree of Man: Patrick White (Austral)

The Trial: Franz Kafka (Cze)

The Trotter-Nama: Allan Sealy (Ind)

The Unlurnished Man: Nizzim Ezekiel (Ind) The Vendar of Sweets: R.K. Narayan (Ind)

The Vicar of Wokefield: Oliver Goldsmith (Ir-Br)

The Victim: Saul Bellow (US)

The Volcano Lover: Susan Sontag (US)

The Wasteland: T.S. Eliot (US-Br)

The Way of oll Flesh: Samuel Butler (Br)

The Way to Paradise: Mario Vargas Llossa (Per)

The Wealth of Nations: Adam Smith (Scot)

The White Mughals: William Darymple (Scc.) The World is Flat: Thomas Friedman (US)

The Zahir: Paulo Coelho (Bra)

Theory of War: Joan Brady (US)

Things fell Apart: Chinua Achebe (Nig. Thateenth Sun, The: Amrita Priton File

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Chaudhuri (Ind-Br)

Thus Spoke Zarothustro: Friedrich Wihelm Nietzsche (Ger-Swi)

Time Machine: H.G. Wells (Br)

Tin Drum: Gunther Grass (Ger)

Tinker, Toilor Soldier: John Le-Carre (Br)

Tokyo Cancelled: Rana Dasgupta (Ind)

Tom Jones: Henry Fielding (Br)

To Kill a Mocking Bird:Harper Lee (US)

To the Lighthouse: Virginia Woolf (Br)

Troin to Pokiston: Khushwant Singh (Ind)

Tronsmissian: Hari Kunzru (Ind-Br) Treosure Island: Robert Louis Stevenson (Scot)

Tropic of Concer: Henry Miller (US)

Truth, Love and a Little Molice: Khushwant Singh (Ind)

Tryst with Destiny: S. Copalan (Ind)

Twelfth Night: W. Shakespeare (Br)

Two Leaves and a Bud: Mulk Raj Arand (Inc.)

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Uncle Tom's Cobin: Harriet Beecher State 1

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B GENERAL KNOWLEDGE

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ings of Fire: A.P.J. Abdul Kalam (Ind)
inning: Jack Welch, Suzy Welch (US)
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omen in Love: D.H. Lawrence (Br)
orld Within Worlds: Stephen Spender (Br)
uthering Heights: Emily Bronte (Br)

Yayati: V.S. Khandekar (Ind) Yeor of the Upheovol: Henry Kissinger (US) Yesterdoy and Todoy: K.P.S. Menon (Ind) You Can Win: Shiv Khera (Ind)

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मीरिए जिल्हारे विज्ञी ह

Prof. P. Vijaya Kumai

The Analects (5th century BC) by infucius.

The thoughts of the great Chinese nilosopher and religious teacher Confucius in be found in two sets of books. The first set The Five Classics - are concerned with Iministration, history, ceremonials and arts. he Analects is one of the four books that make p the second set (Ssu Shu) all of which are oncemed with ethics and philosophy. These leaned fragments are divided into 20 chapters nd cover various aspects like the qualities of a ood government, ancient worthies, manners nd morals, character and principles, virtue, ne responsibilities of rulers and the qualities of is disciples. The wisdom of the ancients should e a source of guidance, Confucius constantly eminds his pupils. The cultivation of prightness and integrity, the need to build ood human relationships and the need to be seful to both society and to the country are emphasised. Confucius, it can be seen, valued rational thinking, egalitarianism and altruistic behaviour. He saw himself as just a teacher transmitting the wisdom of ancient Chinese culture and not as a god or a prophet. Here is a familiar sounding gem from Book XII of The Analects - "What you don't want yourself, don't do to others". Like all great books, the relevance of *The Analects* is timeless.

The Republic (4th century BC) by Plato. The Republic is the most famous of Plato's dialogues. The speaker is Socrates and Book I starts with Socrates and his companions talking about old age and happiness and wealth. The discussion turns to justice and the conversation, which appears to be pleasant chit chat about the origin of justice and injustice in society, soon transforms itself into a full-fledged exploration of some of the central questions of philosophy. We find the typical Socratic procedure - a definition is suggested, is refuted and a counter example offered and considered. From Book II Socrates sketches the ideal republic, a place where justice would be available to all. He speaks about the nature of humanity and the classes one would find in an ideal socie aristocratic group of philosopher king! represented reason, would rule and all o would do the work most suited to then education that the philosophers would to be given is described. It would in music, gymnastics, science, mathemati the study of ideas. Different for government are looked at and, in Book

rethreemerchants continued their currier was, eventually to last 17 years. The sock rdsanincredible variety of things—people, es, religious practices, the arts, catacas, administrative machinery, the users paper ney and ivery, strange customs, makeling eto different cities, battles, animals acac rco Polo spoke with great wonder of the anced civilisation of China, seeing simps: enything with a merchands eye. On the um journey he passed through incles eptics have wondered if the whole cook west abrication since it failed to mention in recomme

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t fina todaya tenensirin sahalahi i ((عَلَى الْمُعَالِينَ الْمُعَالِقِينَ الْمُعَالِينَ مِنْ مُعَلِّينَ الْمُعَالِمُونَ الْمُعَالِمُعِينَا الْمُعَ THE TOP A TOP SOFT POPULATION T Barana makamban da magalar da kaja da kaja The war he so me weekly be world - from magic to religion to science. In future, science itself might be displaced. An absorbing read, valued today more for its literary qualities than for its insights.

A Room of One's Own (1928) by Virginia Woolf.

There are endless discussions on whether men are superior to women. Male chauvinists gleefully point out that most of the great thinkers, scientists, writers and artists have been men. In this perspicuous and influential book, Woolf counters the chauvinist male by explaining why women have not produced great works of fiction. It is, she demonstrates, primarily because of lack of opportunity. Crushed by demands of family and home women have, through most of history, found it impossible to express themselves creatively. Leisure and means (or in her words "£ 500 a year and a room of one's own") are needed for women before they can come into their own. If Shakespeare had an equally gifted sister she would never have become a famous playwright, Judith (that is the name Woolf gives this hypothetical sister) would not have been sent to school and, if, like Shakespeare, she had run off to London, instead of fulfilling her artistic potential, Judith would have found herself pregnant and would probably have committed suicide. Circumstances, in other words, make people and now that for the first time in history, the circumstances are right, at least for western women, to achieve greatness they should seize the opportunity, says Woolf. One of the most eloquent books ever against prejudice.

A History of Western Philosophy (1945) by Bertrand Russell.

The 33 chapters that make up this excellent book fall into three main sections: Ancient Philo-sophy, Catholic Philoso-phy and Modern Philoso-phy. Russell's focus is not on individual thinkers alone, but on how philosophy shapes and is shaped by society and culture at large. So he takes great care to sketch the ethos which gave rise to different schools of philosophy and the political and historical in context which individual philosophers are to be placed. For Russell philosophy, as opposed to theology,



began in sixth century BC in ancient Gree It fell into decline when Rome fell. Its secc great period was from the eleventh to fourteenth centuries, a period dominated the Catholic Church. The third period, fro the seventeenth century, is dominated science. Russell pays as much attention movements as to individuals who had impact on philosophy. For instance, therechapters on Stoicism and the Roman Movement as there are on Rousseau a Byron. Written with his customary wit, poli irony and immense erudition the book can read both for profit and for pleasure. Perha the most stylish and readable introduction Western philosophy there is.

Silent Spring (1962) by Rachel Carso

"There was once a town in the heart America where all life seemed to live harmony with its surroundings." With the almost fairy tale like beginning Rack Carson sketched a bleak picture of wh man-made chemicals, widely used pesticide, were doing to the fragile at complex processes that keep nature goin Her education as a marine biologist and h career as a writer-scientist opened her ey to this lethal dimension of industri civilisation. She focused on the indi criminate use of DDT and pointed research that showed some alarming thin about it - almost all animals on earth, evi birds in areas as remote as Antarctica, no have some DDT in their flesh. The spread this and similar man made toxins was doin slow but irreversible damage to the sol rivers, seas and the green mantle of plants that support all animal life on earth. She also warned about the genetic deterioration that synthetic chemicals and man-made radiation were effecting. Pointing out that the history of life on earth has been a history of interaction between living things and their surroundings Carson went on to say that if we served a chemical feast we would soon wake up to springs "when no birds sing". An intelligent and insightful book from a top science writer.

An Area of Darkness (1964) by V. S. Naipaul.

Naipaul had been born in Trinidad where his grandfather had gone as an indentured labourer. Theland of his forefathers was, for him, a country ended in time, a void, area of darkness". He



V.S. Naipaul

been brought up a Hindu but, was by ination, a sceptic and indifferent to religion. that was Hindu in him was a vague sense aste and a "horror of the unclean". In his Naipaul set out to learn about the land of lorelathers. In Bombay, his first stop, he ta frightening glimpse of what he called dia's ever receding degrees of degradation" dwashorrified by it. He did not find the rest the country any different. Most of the book hanh, critical and negative but it not to be smissed as a drain inspector's report. Naipaul fired travel writing with sharp analysis. He sted, for instance, how Gandhi, the exclutionary, had been transformed into a nahatma and absorbed into the formless restuality and decayed pragmatism of India. ly Latring Gandhi into a god Indians had lost menage. Naipaul is most scathing about be people - their manners, attitudes, ₩ccmy,c2!lousness, unctuousness and even Pearance. A provocative and thought . Marking book

Small is Beautiful (1973) by E F Schumacher.

E F Schumacher, who had been by turns a farmer, a businessman and an academic, captured international attention with this evocatively titled work which flooked at economics usif people mattered. "Schumacher pointed out that economists suffered from a kind of metaphysical blindness which made them assume that their's was a science of absolute and invariable truths. Their cardinal error was in treating natural capital as income, an error for which mankind would have to pay unless they rectified their economic behaviour. Schumacher advocated a "Buddhist economics" the keynotes of which would be "simplicity and non-violence". An intermediate technology that made proper use of land and other resource would, he felt, lay the ground for a sustainable future. Schumacher is considered the first holistic thinker of the Green movement and even today, in an age obsessed with growth and a mania for high-tech solutions, his picture of a humane alternative to rampant capitalism is as relevant, and persuasive, as when it was first outlined.

The Decline of Nair Dominance (1976) by Robin Jeffrey.

When Vivekananda visited Kerala in the 1890s he famously described it as a lumate asylum. Less than a century later it had become a model state. How did this transformation come about? It is this intriguing question that is behind Robin Jeffrey's landmark study The Decline of Nair Dominance, Jeffery tells us about the social and political changes Kerala underwent and shows how a leadal, matrilineal, caste-ridden society segued artis a modern, democratic, Literate state that put as power the world's first elected community government. A careful reading of source mater rial and a methodical analysis enables jetting to paint a picture of change caused by the state of of a cash economy, western-style estate? improved transport and communication

the setting up of a British-inspired system of law. It is also the story of how the Nairs, who fitted in perfectly with Louis Dumont's definition of a "dominant caste", were brought down from their position of comfortable superiority over other castes to having to compete with them. Thirty years after its first publication this book still is the most astute and readable study of social change in Kerala.

Russian Thinkers (1978) by Isaiah Berlin.

This collection of seven essays by the political philosopher and historian of ideas Isaiah Berlin includes his celebrated piece 'The Hedgehog and the Fox'. For Berlin the hedgehog is a metaphor for those writers who relate everything they do and say to a central vision, while foxes stand for those whose vision is plural and contradictory. Though reductive and simplistic, Berlin felt that this categorisation was a handy way of grouping and understanding writers. Tolstoy was, for Berlin, a fox, while Dostoevsky was the quintessential hedgehog. The other essays in the volume include one on the birth of the Russian intelligentsia, the influence of German romanticism on Russian thinkers, the impact of the 1848 revolts in France on Russia and on individual Russian thinkers like Alexander Herzen, Vissarion Belinsky and Mikhail Bakunin. To each Berlin brings his characteristic clarity and profundity. For those who love ideas, every essay is a treat. The ideas themselves are significant because, as Berlin clearly shows, they still animate our intellectual world.

Life on Earth (1979) by David Attenborough,

This is one of the early books of one of the planet's most famous documentary makers on natural history. It presents a fascinating picture of animals; how they live, find their food, defend themselves, court and fit in with the rest of the natural world and also on the role they have played in shaping the history

of life on the planet. Attenborough us that readers risk imagining an appea of purpose on the animal kingdom that not exist in reality. Millions of species become extinct and Attenborough tr enlighten us about their roles by looki their present day descendants. The la the 13 chapters - 'The Compulsive Cor nicator' - is on man. Attenborough's exdinary ability to make connections will the reader spellbound. An example: h scribes the feather, the most distingui: feature of a bird, and then shows how same material forms a reptile's scales our own nails.

The Moronic Inferno (1980) by M Amis.

This is a collection of 26 witty and per tive essays on the USA which, in a meta he borrowed from Saul Bellow, Martin. calls "the moronic inferno". America hi ways excited and frightened him, says A and he thinks it is a place one must ur stand if one is to understand the mo world. With a keen and observant eye a fine turn of phrase Amis sketches the w ness and wildness of America. He has c ters on writers like Bellow, Truman Cap Norman Mailer and John Updike. There is on the pioneering feminist Gloria Steinem another on a meeting with Hugh Hefner publisher of Playboy magazine. He look the violence that was endemic in Americ the 1980s as well as the impact of AID! society. Amis notes that the moronic infe is not just a metaphor for America today. a metaphor for human infamy, "mass, gr ever-distressing human infamy" which thinks is both global and eternal. Amis c templates the frightening possibility that s every country will become like America. Ti the moronic inferno will cease to be a me phor and will become a reality; probably only reality. That might be a bleak mess: but the book is an exhilarating read.

One of the things that has most fascinated mankind at all times has been the shape and nature of the universe he inhabits. Most creation myths have tried to solve this riddle. At the opening of Cosmos Sagan tells us that "we have discovered a powerful and elegant way to understand the universe, a method called science; it has revealed a universe so ancient and so vast that human affairs seem at first sight to be of little consequence." But science also says that we are a part of this cosmos and that our fate is connected with it. It is this cosmic perspective that Carl Sagan investigates in Cosmos. He discovers the grandeur of the universe and the grandeur of our attempt to understand it. In the last tenth of a percent of the lifetime of our species we've acquired the knowledge to understand and describe the earth and also to destroy the earth and extinguish mankind. Never was there greater need for wisdom and Sagan concludes the book with a stocktaking and a peep at our uncertain future. Children, and the child in adults, will find this book most engrossing.

The Inner World (1981) by Sudhir Kakar.

This book is a praiseworthy attempt to understand the Indian psyche by examining the individual, social, cultural and historical dimensions involved in shaping it. There is an emphasis on individual psychological development, understandable since Kakar is a practising psychoanalyst. He pays attention to the network of social rules, traditional values, caste customs and kinship regulations involved in creating a sense of identity. His approach is eclectic and he uses the findings and ideas from anthropological accounts, sociological studies, folk tales, mythology, historical reflections and his own clinical impressions. Pointing out that psyche and culture mutually reinforce each other Kakar gives special importance to the analysis of clinical evidence and interpretation of myths. He fears that Indian culture will soon find itself en trapped in a field of critical environmenta stresses and is unsure how it will cope. But Kakar ends with a positive message: the traditional Indian identity elaborated in the book can evolve in such a way that both its historical continuity and its integration with a changing environment are maintained. A fine unparalleled, attempt to understand the Indianness of Indians.

Spin and Other Turns (1994) by Ramachandra Guha.

Some sections of Indiais intelligentsia look down on cricket as a vestige of colonialism, Other sections champion hockey and football. But it is a fact that Indians play this quaint and fascinating game with aplomb and that India is one of the world's cricket superpowers. Few have written on Indian cricket with the intelligence, knowledge, insight, and charm of Ramachandra Guha. He brings to bear on his analysis of cricket the erudition and meticulousness of a professional historian and sociologist and the love of a practitioner and fan. Spin and Other Turns is about Indian cricket in the 1970s, when it really came of age. This was when India defeated both the West Indies and England away from home and thus laid the foundation for her triumph at the World Cup in 1983. Guha identifies two great traditions of Indian cricket - the art of slow bowling and the Bombay school of batsmanship. Sections are devoted to "the Holy Trinity" of Bedi, Prasanna and Chandrasekhar and also to the first great Indian spinner — Palwankar Baloo, a dalit who was held as a model by B R Ambedkar. Among the batsmen Guha devotes space to are Gavaskar, Merchant and G R Viswanath. A delightful book.

My Own Country (1994) by Abraham Varghese.

The book opens with a dramatic of a young man returning home to town of Johnson City, Tennesse fro

York, where he had been working. The man is critically ill and soon dies. This is the first death of AIDS in Johnson City. But soon, the city and Dr Varghese, the infectious disease specialist in Johnson City, have to take care of other patients with AIDS. The experience transforms Varghese, who, like so many others of the Indian diaspora, was looking for a place he could call home; for "his own country". Born and educated in Ethiopia, Varghese had earned his medical degree from Madras Medical College and found his American experience nurturing both professionally and personally. But nothing had prepared him, or Johnson City, for the devastation AIDS was to wreak. As Varghese narrates the story of his doomed patients we learn about illness, courage, compassion, prejudice, hope, mortality, love, yearning, greed, renunciation, pain and even the good life. Against this larger background Varghese softly weaves in the touching story of the falling apart of his personal life. Varghese's unique status as an exile helped him empathise with his ostracised patients and his exceptional narrative skill and graceful prose make My Own Country a beautiful and healing work. In many ways it tells a sad story, but our understanding of disease and death, of AIDS and its dreadful power and, therefore, of the 20th century itself, would not be complete without this masterly narrative.

Gandhi (1997) by Bhikhu Parekh

Bhiku Parekh's slim volume is no hagiography but an intelligent assessment of the thoughts and deeds of one of the greatest men who ever lived. It begins with a brief look at Gandhi's life and work. Parekh then turns to Gandhi's thoughts on religion, politics, human nature and his concept of ahimsa. Gandhi's vision of a non-violent world and his weighty critique of modernity are then examined. The link between Gandhi's life and his actions and his constant, courageous quest for truth and his obsessive attempts to

live by his principles are described. Parekh is even handed and identifies Gandhi's limitations as well. His failure to appreciate science and modernity, his imperfect understanding of how societies function and how evil can transform the world, his utopian ideas on economics, his insensitivity to art, history, nature etc are all ascribed not to lack of intellectual curiosity but Gandhi's intensely moralistic vision of life. It was a vision that prevented him from having interests other than the full time care of his soul and the interests of his countrymen, Lord Parekh's book is the perfect introduction to Gandhi, the man and his ideas.

The Adversary (2000) by Emmanuel Carrere

How many lies can a man tell?

On January 9, 2003 Jean-Claude Ramondis house, in northern France, burned down killing his wife and two children. He himself barely managed to survive. Ramond, a pillar of the local community, was a respected researcher and doctor who had been working in a WHO lab in nearby Geneva. The same day his parents, and their dog, were found dead at their home fifty miles away. Police investigations soon showed that this was no tragic coincidence. Ramond himself had killed his parents, then his wife and children and then set fire to his house. Police also found that Ramond had been leading a double life for over two decades. He was no doctor. Indeed he had not even finished his medical education. He drove to "work" every day but spent his time in parks and libraries. He borrowed money from relatives and friends promising to invest them in high interest yielding schemes available to him as a WHO professional. Finally, when it was clear his lies would catch up with him, he sought a way out through murder. Emmanuel Carrere, one of France's most critically acclaimed writers, in a gripping narrative, tells us this true story of monstrous deception. But even he has no explanation

for why Ramond acted as he did. That explains the title. The adversary is one of the pseudonyms for the devil.

How many lies can a man tell? Many, but not an endless number.

On Literature (2002) by Umberto Eco.

Knowledge, Eco suggests, is of two kinds -that which tells you about the outside world and that which wins you promotions at universities. Umberto Eco, novelist, intellectual, cultural critic, medievalist, scholar and professor of semiotics at the oldest university in the world (University of Bologna) has a passionate concern for real knowledge and a canny sense of how difficult it is to attain it. His writings are full of remarkable insights into life and literature. This volume is as engrossing as any of his other works of non-fiction as, with charm and wit, he looks at the world of writers and writing. He brings great clarity to a variety of subjects including the nature of prose and poetry, on why we read and why some people write, on America and anti-Americanism, on tragedy, the detective story, irony and metaphor, symbolism, paradox, computers and literature, history, post modemism, conspiracy theories and on how he writes his novels. The best of the lot is perhaps the erudite yet playful piece titled 'The Power of Falsehood'.

How to Be Alone (2002) by Jonathan Franzen

The essays in this volume celebrate being a reader and a writer. Franzen is aghast at the amount of outrageousness being manufactured in the USA and at a world where the voices of self and commerce are drowning out all other voices. He sets out to address the problem of preserving individuality and complexity in a noisy and distracting mass culture. That, for Franzen, is the problem of how to be alone. He thinks the problem is related to the act of reading, for reading sparks the imagination unlike use of other types of media like television or multimedia.

The decline of reading is not just a shift in our change of entertainment but, Franzen suspects, a transformation of the very nature of humanity. In the contemporary world, we have "instead of a soul, membership in a crowd" and "instead of wisdom, data." Essays on the postal system and new prisons, written with humour and charm, demonstrate how the civic has become the commercial. In "Meet me in St Louis" Franzen explains why he declined to be on Oprah Winfery's Book Club, an act that eamed him much public opprobrium. It was, for Franzen, as much about preserving his dignity as about the bogusness and superficiality of TV. An elegant, clear eyed and wise book.

The Emerging Mind (2003) by Vilayanur Ramachandran

The five essays in this volume (originally the 2003 Reith Lectures) were written with the intention of making neuroscience and psychophysics more accessible to a broad audience. In the first 'Phantoms in the Brain' Ramachandran looks at some rare neurological syndromes and demonstrates how it is possible to learn about the working of the normal brain from these neurological oddities. The second 'Seeing is Believing' in on the role of "mirror neurons" in the evolution of culture. The third 'The Artful Brain' is on neuroaesthetics and here he spells out his "10 universal laws of art". The fourth essay 'Purple Numbers and Sharp Cheese' in on synthesia as sensory phenomenon whose neural basis can be discovery in the brain and which can help us understand metaphor and the evolution of language. The last 'Neuroscience' the new philosophy' is on mental illness and Ramachandran's hope for the future of his subject. The essays, when read with the copious footnotes that accompany them, could be an eye opener.

Occidentalism (2004) by Ian Buruma and Avishai Margalit

Edward Said's Orientalism was such a

phenomenonal success that most of its contentions went unchallenged and are today accepted as facts. But prejudices and stereotyping are not just characteristic of the Western view of the East. They also mark the Oriental views of the West and are, like the white man's prejudices, based on ignorance, misunderstanding and stupidity. In six brief but cogently argued essays lan Buruma and Avishai Margalit look at the origins of Occidentalism, or the Eastern view that the West is decadent and dehumanising. They discover that the roots of the hatred of the West lie in the West itself. Many of the ideas that inform Occidentalism came from the German and Russian reactions to the Enlightenment; some, like the myth of the sinful city and the martyr cult that saw liberal democratic societies as weak and corrupt and antiheroic, have more ancient roots. In other words, the roots of 9/11 lie deep in the past and in Europe itself. An eye-opener.

The Arthashastra (between 3rd century BC and 2nd century AD) by Kauthilya

This is the mother of all treatises on economics and politics and statecraft. For Kautilya "arthashastra" is "the science of wealth and welfare". Kautilya destroyed the weak Nanda dynasty and installed Chandragupta Maurya on the throne of Magadha. He believed that, using the principles set out in his treatise, it was possible to set up an ideal kingdom. The Arthashastra is an incredibly detailed guide in 15 chapters. The topics dealt with include the branches of knowledge, the constituents of the state and the threat to them, the duties of a king, revolts, rebellions, conspiracies, treason, the bureaucracy, revenue, duties of different officials, punishment of corrupt officials, all aspects of the legal system, occult practices, covert operations, foreign policy and war. Behind the apparent cynicism lay the desire to ensure the welfare of his people; a good king had to maintain law and order and run an efficient administrative machinery.

A Brief History of Time (1988) by Stephen Hawking

Theoretical physics, and the mathematics needed to understand it, seemed outside the ken of most people. Stephen Hawking decided to present, without any mathematics or formulae, a picture of the universe that intelligent laymen could grasp. The result was the surprising bestseller A Brief History of Time. Hawking begins with the premise that the universe is governed by natural laws that we can discover and understand. There are chapters on space and time, the expanding universe, the uncertainty principle, the forces of nature (especially gravity), elementary particles, black holes and the origin and fate of the universe. The book also contains a glossary and portraits of Galileo, Newton and Einstein. In a moving conclusion Hawking expresses the hope that soon it might be possible to unify the laws of physics. If that happens we will have discovered a complete theory of the universe or, in Hawking's words, "know the mind of God".

The Poverty of Historicism (1957) by Karl Popper

Popper uses "historicism" to mean the belief that historical events are governed by laws. He thought that such a faith in the inexorable laws of historical destiny had led, in the 20th century, to the rise of both fascist and totalitarian states which had, in the name of progress, killed millions. Popper refuted historicism by pointing out that the course of human history was strongly influenced by the growth of human knowledge. He pointed out that it is impossible to predict the growth of scientific knowledge and so, he reasoned, it is not possible to predict the future of human history. Historicism rose out of a mistaken understanding of the methods of the natural sciences and represented a misguided effort to copy these methods. Popper, acclaimed for his anti-authoritarian social and political philosophy, examined the roots of these beiefs in his two volume classic The Open Society and Its Enemies.

Meditations (167 AD) by Marcus Aurelius Marcus Aurelius became the emperor of Rome in A D 138, at 17. It was an unhappy reign, troubled by rebellion, natural disasters and war. Meditations is a set of earnest jottings he made. The first book is on himself. In it he considered what he had learned from others. The rest of the 12 books are in the form of musings about a number of subjects and earnest exhortations to himself. He thought it important to understand the nature of the world and his part in it. He considered the fleeting nature of time, the soul, the judicious use of one's time on earth, God, the good life, duty, justice and other topics. Selfdiscipline and temperance and a calm acceptance of the inevitability of death, he believed, could give one peace of mind. All his

The Life of Samuel Johnson (1791) by lames Boswell

thoughts are marked by moderation, gentle-

ness and the stoicism for which he was fa-

mous.

Dr Samuel Johnson was the most famous intellectual and man of letters of his time. James Boswell, an admirer of Dr Johnson and a writer of no mean ability himself, set himself the task of writing a definitive biography of his hero. The result was what was considered the greatest biography of all time. Apart from recording the details of Dr Johnson's life, Boswell also painted a detailed picture of several other luminaries of the time, like Sir Joshua Reynolds, the painter, David Garrick the actor, Burke the orator, and Oliver Goldsmith, the writer. Long conversations on art and philosophy are recorded as are a number of letters written to and by Johnson. The result is an unrivalled portrait of an age, when people spoke much and were outspoken and the notion of political correctness did not exist, and a model biography.

The Varieties of Religious Experience (1902) by William James

James offers a psychological view of religion in the 20 essays of this book. He examines personal religious beliefs, not organised religions. He is struck by the fact that the unseen world, which is psychologically important to the subject who experiences it, is more powerful than the material world. He then looks at how optimistic and pessimistic people respond to religious experience. The "completest" religions are those in which the pessimistic elements are best developed. The best of these are Buddhism and Christianity. lames then examines the conflicts expenenced by the "twice born" or sick souls and looks at the phenomenon of moral conversion among believers. He then turns to saintliness, its qualities and usefulness. Before concluding James also looks at mysticism and the relationship between philosophy and religious experience. At a time when thinkers were declaring religion dead James's masterly study explained why humans would always be religious.

The Decline and Fall of the Roman Empire (1776 - 1788) by Edward Gibbon

This is a grand history of Rome, from 180, when Marcus Aurelius's reign ended, to 1590, when Constantinople fell. In clear and sonorous prose Gibbon narrated the story of the fall of one of the greatest empires the world had seen and of which he was an admirer. Gibbon identified four reasons for the ruin of Rome: natural calamities; the hostile attacks of the barbarians from the North and the hostility of Christians within the empire; the abuse of the material wealth of Rome and the domestic quarrels of the Romans. The work is characteristic of the Enlightenment of which Gibbon was a representative and reflects his anti-clerical and rational inclinations. His use of carefully footnoted sources makes him one of the first modern historians, while the magnificence of his theme and style make this work one of the greatest literary works of all time.

The Argumentative Indian (2005) by Amartya Sen

It is a blinkered view of history, argues Sen, which makes us assume that democracy and



Amartya Sen

secularism, and also ideas like tolerance and those of science, are imports from the West. Sen shows that the tradition of debate and dissent, pluralism and heterodoxy has informed India from the early days of her history. It is because India has

such a rich argumentative tradition that Westminster style parliamentary democracy took roots in India so easily, while it failed in most countries which were also subject to British colonialism. This collection of essays also has wonderful pleces on Indian calendars, the relationship between India and China and India and the nuclear bomb. This book will help every Indian understand the history of our land, the components of its culture and the sources of or sense of Identity. Sen shows how India, with its rich intellectual and artistic tradition was always shining.

The Selfish Gene (1976) by Richard **Dawkins**

Dawkins believed that Darwin was the first thinker to put together a coherent and tenable account of why we exist. In The Selfish Gene he set out to examine one aspect of evolutionary theory - the biology of selfishness and altruism. His argument is that as animals we are all machines created by our genes. Our genes themselves are the fundamental units of selection and to be successful a gene has to be ruthlessly selfish. But genes survive by fostering a form of altruism at the level of individual animals. To understand the evolution of modern man we must throw out the gene as the sole basis of evolution. Culture is spread through a new replicator the "meme". Memes are, like genes, blind but Dawkins insists that our conscious foresight could save us for the worst excesses of these blind replicators. Nice guys, he says, can finish first.

The Interpretation of Dreams (1900) by Sigmund Freud

As a doctor searching for a cure for his neurotic patients Freud discovered the unconscious. He believed that this irrational, chaotic and unknowable part of our mind the unconscious - dictated how we behaved. Dreams, he theorised, gave a therapist access to this world and the conflicts that lay there. A patient could be cured if his conscious mind could be made aware of the nature of the conflict tearing it apart. Freud did not cure many patients this way, but the "talking cure" and the book that introduced these ideas to the public, gained immense popularity. In individual chapters he looked at the method of dream interpretation, dreams as

wish-fulfilments, the source of dreams and the psychology of dream processes. The ideas in the book shaped the way men saw themselves and so this book is considered one of the seminal works of the 20th century.



Sigmund Freud

The Uses of Literacy (1957) by Richard Hoggart

"Work is the curse of the drinking classes" said Oscar Wilde. The image of the working classes as lazy, criminally inclined and liquor loving is an old and widespread one. Hoggart, in The Uses of Literacy tried to find out what real working class culture was like. He studied their reading and listening habits and came up with a fascinating and detailed picture of working life and culture. He found that they were a gregarious and warm people whose

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lives were built on the twin values of love and work. Their sense of independence and loyalty to their class is reinforced by their division of the world into 'Them' and 'Us'. The second half of the book is a less than happy look at how organised commercial interests and the mass media were corrupting authentic working class culture. One of the classics of cultural studies.

The Greatest Benefit to Mankind (1997) by Roy Porter

With 22 chapters, 24 pages of plates, 46 pages of "further reading" and a 66 page index this is a thorough look at the medical history of humanity from antiquity to the present. A finely balanced and neutral tone is maintained throughout and the charge of ethnocentricity deftly avoided with chapters on Chinese, Indian and other systems of medicine. The information packed and readable account is the story of a million small steps taken to take modern medicine to where it currently is - its standing is high but also highly contested. Never has it achieved so much or attracted such great suspicion. Today medicine is a profitable source of business for lawyers, accountants and other expensive professions parasitical upon medicine. Its future, concludes Porter, is unforeseeable because the evolutionary battle between microbes and man is itself unpredictable.

Guns, Germs and Steel (1997) by Jared Diamond

When a hunter-gatherer from New Guinea asked Diamond why some parts of the world were so advanced while others were primitive he decided to find the answer for himself. Pushing back the chain of historical causation as far as possible Diamond discovered that the answers came from geography. Patterns of history and the current state of the world can be explained by understanding environmental and geographical conditions. These conditions include the availability of plants and animals that could be domesticated,

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which led to agriculture which in turn led to the development of technology. The eastwest axis of land mass led to evolution and growth while the north-south axis and the environmental variation it provided meant stagnation. Diamond is careful not to make a claim without some scientific backing for it. He ends the book with an invigorating chapter on the future of human history as a science.

The Beauty Myth (1991) by Naomi Wolf.

The cause of women's liberation, after several decades of progress, might soon be wrecked on the rock of concern with women's "beauty"; such things as "physical appearance, bodies, faces, hair, clothes." Women in the West are now worse off than their grandmothers because they are now weighed down by notions of beauty. The use of images of female beauty against women is a political backlash against feminism, feels Wolf. Myths of motherhood, domesticity, chastity and passivity were used to control women. Those forms of social coercion have been replaced by the ideology of beauty. Every gain made by feminism is being undermined by the beauty myth. Wolf's most spirited chapters are on anorexia and cosmetic surgery. Wolf ends the book with a call for a third wave of feminism.

Outcaste (2002) by Narendra Jadhav

This moving and inspirational book narrates the story of four generations of the Jadhavs. Damu and Sonu, the author's parents, had fled their ancestral village of Ozar in Maharastra and sought refuge, and employment, in Bombay. Living in chawls and workers' quarters the two raised a family of six kids who became successful; Narendra got a Ph D from the US and became head of the economics research wing of the RBI, and his siblings entered the IAS. The struggles of Damu and Sonu and the iniquities of the caste system are described vividly but without rancour and hatred. Parallel to the narra-

tion of the story of the Jadhavs is the rousing tale of the transformation of the lives of dalits brought about by Dr B R Ambedkar's exhortation to educate, organise and struggle. *Outcaste* is artfully written and an important contribution to understanding the social changes India witnessed in the 20th century.

Nature's Numbers (1995) by lan Stewart

What can mathematics tell us about the universe? A great deal, it would appear, in this lucid and beguiling account Stewart shows how mathematics can be a tool to discover and describe order and pattern in the universe. The natural world is full of patterns. Examples include the structure of an atom, the number of petals in a flower, the patterns on the sand dune in a desert, the shape of a droplet, the shape of the galaxies and the universe itself. Sections are devoted to the great astronomical discoveries, Fibonacci's series, chaos theory, the butterfly effect and other such apparently esoteric stuff. Stewart makes all these accessible to even those with non-mathematical minds. Nature is both about rigid laws and flexible change and the science of mathematics will help us understand both.

White Mughais (2002) by William Dalrymple

From 1797 to 1805 James Kirkpatrick was the British Resident at Hyderabad. Here he adopted Indian ways, fell in love with and married the great niece of the diwan. His wife, Khair un-Nissa, was only 14 and their love affair was a scandal that threatened to derail the relationship between the British and Hyderabad. James's conversion to Islam and his pro-India ways were not always approved by his superiors even when his services as a diplomat were valued. In 1805 he sent his two children to England to be educated but himself died in Calcutta. Khair travelled to Calcutta to visit his grave.

She never saw her children again and died in Hyderabad in 1813. Apart from the great appeal of this story, what makes Dalrymple's work unique is the insight he provides into the mixture of cultures that goes against all notions of the East and the West being irreconcilably different.

Consilience (1998) by Edward O Wilson

E O Wilson coined the word "bio-diversity", is the father of sociobiology and one of the greatest zoologists in the world. When young he dreamt of the unification of learning. His boldest attempt to bring about such a unification is Consilience. Consilience is the "linking of facts and fact-based theory across disciplines to create a common groundwork of explanation." This idea goes back to the Enlightenment and implies that the universe is orderly and can be understood by a small number of natural laws. It is not only the sciences that Wilson hoped to unify, but the social sciences and even the humanities. There are chapters devoted to the mind, genes and culture, the social sciences, the arts and ethics and religion. He concludes that "all tangible phenomena, from the birth of the stars to the workings of social institutions, are based on material processes that are ultimately reducible ... to the laws of physics."

Chasing the Monsoon (1991) by Alexander Frater

This humorous and very readable narrative begins with a chapter on Frater's childhood in Micronesia and his fascination with the rains. A chance encounter in London reminds him of the Indian monsoon and, spurred by his father's unrealised ambition of visiting Chirapunji during the rains, he decides to "chase" it. He meets it at Trivandrum and follows it to Cochin, Goa, Bombay, Delhi, Calcutta and, finally, Chirapunji. The book is filled with anecdote, history, the physics of the weather and genial observations on India and her people. Chirapunji was out of bounds to foreigners and, though not hopeful of

success, Frater applied for special permission to visit it. Frequent references to the progress of his application though the bureaucratic pipelines of Delhi lend some tension to the book and the narrative climax is reached with a visit to a wet and hostile Chirapunji.

The End of History and the Last Man (1992) by Francis Fukuyama

Fukuyama says that history as an evolutionary process has come to an end ie., one cannot conceive of a better system of government than liberal democracies of the West, though much of the world is still "living in history". The idea of a Universal History was first proposed by Kant and later taken up by Hegel, Scientific knowledge is what lends history directionality. Now that science has been discovered, there will be no forgetting or going back and its political, economic and social consequences – liberal democracy, capitalism and a society defined by technology are inevitable. Fukuyama rejects the Marxist view of history and examines the ideas of Hegel, Hobbes and Locke, Man's need for recognition (thymos) is a strong driving force and since the only political system that satisfiesitis democracy, Fukuyama concludes that capitalist, liberal democracy is the way of the future. Provocative but cogently arqued.

The Language instinct (1994) by Stephen Pinker

Understanding language, Pinker thinks, is the key to understanding human nature and he deploys the tools of cognitive science to do so. Language is not a cultural artefact, but a biological adaptation to communicate information – an instinct to acquire an art. Pinker rejects a number of traditional notions about language and learning. He shows that languages do not shape the way we think or even make thinking possible, that grammar does not have to be taught to children, that the language instinct is the same in most people and that it is distinct from the ability to process information. Some of his ideas come

from Chomsky and there is a lucid explanation of these in one chapter. There are also chapters on language families, phonetics, structure and grammar, the misplaced notions of "correct English" and the false claims that chimps had been taught language. A witty introduction to linguistics.

The Story of My Experiments with Truth (1927-1929) by MK Gandhi

Gandhi was not writing a Western style autobiography, he said, but telling the story of his experiments with truth. He saw his life as consist-



Mahatma Gandhi

ing of these experiments and believed that his readers would also be interested in them. All his experiments were spiritual for he saw morality or spirituality as the essence of religion and his aim was to achieve self-realization. The book, divided into five parts, is chronologically arranged and methodically narrated. In 147 small chapters, they tell the story of Gandhi's life from his birth to the Nagpur session of the Congress. Whether writing about his almost ridiculously small number of "sins" or satyagraha or the agitations he participated in or his experiences in Europe and South Africa or his diet or ahimsa or celibacy or "other principles of conduct believed to be distinct from truth" his quest was always for the truth and his narration deeply engaging.

Prophets Facing Backward (2004) by Meera Nanda

This robust defence of Enlightenment values examines the role of the religious right in India and how post-modernism has skewed people's ideas of science. The schizophrenia of those Indians who have embraced a dangerous form of "reactionary modernism", and embrace technology without accepting the modernization of secularization of cul-

tural categories that should accompany it, is responsible for this sorry state of affairs. The dangerous relativism accepted postmodernists feeds the fascist and chauvinistic ideology of the Hindutva brigade. Passionate yet cogent Nanda calls for a resumption of the Enlightenment quest. These traditions are not alien to India. The Buddha's teachings pointed to the suppressed traditions within Indian culture that value naturalism and empiricism over the metaphysical flights of Vedantic Hinduism. Amdedkar's call for a scientific temper and a democratic ethos is a restatement of this tradition. A critique of Indian intellectuals and a powerful plea for egalitarianism, rationalism and humanism.

Manifesto of the Communist Party (1848) by K. Marx and F. Engels

"A spectre is haunting Europe - the spectre of Communism." So begins the most famous of all political essays. The first section "Bourgeois and Proletarians" declares that all history is the history of class struggles. Oppressor and oppressed have always fought each other and new classes and alignments have risen. The modern bourgeois society that has arisen on the ruins of feudal society has created new conditions of oppression. The working class create wealth, but the profit goes to the capitalist. The proletariat, or new working class, have to seize power from the bourgeoisie to bring about a worker's paradise. Central to the manifesto is the idea that private property has to be abolished. There is a section on the relationship of Communists to proletarians and another on the position of the Communists and other opposition parties. The thesis might be flawed but for sheer rhetorical power the Manifesto is unrivalled.

The Autobiography of an Unknown Indian (1951) by Nirad Chaudhuri

If one of the marks of an intellectual is to

take positions that others would not, Cahudhuri is one of India's leading thinkers. He dedicated his autobiography to the British empire because "all that was good and living within us was made, shaped, and quickened by the ... British rule." The four sections that make up this volume are on his childhood, his first twelve years, his education and his struggle to build a career as a writer. But their chief interest is in the panoramic view they present of India between 1897 and 1921. The book closes with an essay on Indian history where he outlined his theory that Indian culture has bloomed only when she had mixed with some foreign culture. This book and the sequel, Thy Hand, Great Anarch, show him to be a profound scholar, a forceful writer and an unorthodox thinker.

Orientalism (1978) by Edward Said

Few recent books on culture have had the impact of Edward Said's Orientalism, Making use of Michel Foucault's notion of a discourse. Said looks at Orientalism as a Western style for dominating, restructuring and having authority over the Orient. In post-Enlightenment Europe a systematic discipline was set up by which European culture was able to produce and manage the Orient. The act of description itself is, Said avers, an exercise in power. Europe gained in strength and identity by setting itself off against the Orient. Orientalism became an academic tradition and a habit and made every European narrowly ethnocentric, racist and imperialist. Early in the book Said exmines Orientalism in the light of British and French experience of Islam and Arabia. Another chapter looks at 19th century writers, like Marx and Renan and Flaubert, and their role in consolidating Orientalism. The book closes with a look at how latent and manifest Orientalism operate now. This angry polemic against Western prejudice won Said an immense following and raised him to the position of the chief spokesman of the third world in America.

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Prof. Joseph Mathew, Palai

Great films can't be measured scientifically because greatness is extremely subjective. Over a long period of time film critics, reviewers and fans are making lists of best films, great films and favourite films. In this selection of 100 great films of World Cinema, 50% are from Hollywood (American productions). The remaining films are from other countries like Great Britain, France, Italy, Sweden, Poland, Japan and so on. Some are classics, masterpieces, Award winners and even Box-office super hits. These films have the power to entertain, enchant, inform and move us emotionally and change our perception

of things. Silent movies are omitted in this selection.

Also Indian movies were not considered in this list.

The Adventures of Robin Hood (1938) USA 105 mins Director: Michael Curtiz and William Keighley Cast: Errol Flynn, Olivia de Havilland, Basil Rathbone, Claude Rains, Melville Cooper, Ian Hunter, Alan Hale, Eugene Pallette.

The first technicolored version of the Robin Hood legend. This classic presents Errol Flynn at his swashbuckling best. This good natured, extravagant adventure epic still packs romance, comedy, great sword play action, music and colorful characters. Winner of Three Academy awards.

All About Eve (1950) USA 138 mins Director: Joseph L. Mankiewicz Cast: Bette Davis, Anne Baxter, George Sanders, Hugh Marlowe,

Marilyn Monroe, Thelma Ritter, Celeste Holm.
The behind-the-scenes world of the Broadway theatre is the subject of this classic. The cynical and witty screenplay features full

blooded characters. Its narrative structure continues to inspire back stage dramas. Winner of Six Academy awards.

The African Queen (1951) USA 106 mins Director: John Suston Cast: Humphery Bogart, Katharine Hepburn, Robert Morley,

Theodore Bikel, Peter Bull.

Set in German East Africa at the beginning of World War I this magnificent comedy tells the tale of an unlikely romance between a hard-drinking middle-aged mail boat skipper and a priggish spinster missionary. Academy award for best actor to Humphrey Bogart.

An American In Paris (1951) USA 113mins Director: Vincente Minnelli Cast: Gene Kelly, Leslie Caron, Nina Foch, Oscar Levant, Georges Guetary.

This delightful Hollywood fantasy with its romantic vision of Paris was shot entirely on the MGM studio lot. With lavish sets and costumes and a superlative cast, it is a superb movie entertainment. One of the most celeberated musicals of 1950s. Winner of Six Academy awards.

Ashes And Diamonds (1958) Poland 102 mins Director: Andrzej Wajda Cast: Zbigniew Cybulski

The chief character is a Polish partisan who is unable to understand why the killing must continue after World War II is over. The film is the clearest expression of Wajda's fascination with the bitter aftermath of war and the intellectual contradictions war creates.

Aguirre, The Wrath of God (1972) Germany, Mexico, Peru 93 mins Director: Wemer Herzog Cast: Klaus Kinski,' Rojo, Ruy Guerra, Del Negro, Peter Be

This epic historical drama is the story,

expedition of the Spanish conquistador Gonzalo Pizarro in the impenetrable jungles of Peru. In his mad pursuit for riches. Pizarro orders a party to scout ahead for signs of El Dorado. Wading through the treacherous waters by a raft, the explorers are besieged by hostile natives, disease and starvation. Crazed with greed and mad with power Aguirre takes over the enterprise slaughtening any one who opposes him. Nature and Aguirre's unquenchable thirst for glory ultimately render him insane, in charge of nothing but a raft of corpses and chattering monkeys.

Amarcord (1974) Italy/France 123 mins Director: Federico Fellini Cast: Puppela Maggio, Magali Noel, Armando Brancia, Ciccio Ingrassia, Luigi Rossi, Nandino Orfei, Bruno Zanin

This landmark film is based on director Fellini's reflections of his youth in a small town in prewar Italy. Winner of Academy award for Best foreign language film.

All The President's Men (1976) USA 135 mins Director: Alan J. Pakula Cast: Dustin Hoffman, Robert Redford, Jack Warden, Martin Balsam, Jason Robards, Jane Alexander, Hal Holbrook, Meredith Baxter.

The Watergate scandel - as exposed by Washington Post reporters Bob Woodward and Carl Bernstein meticulously transferred to the screen by Alan Pakula and proving that politics, providing they are sensational enough, can be both a critical and box-office success. Winner of Four Academy awards.

Annie Hall (1977) USA 94 mins Director: Woody Allen Cast: Woody Allen, Diane Keaton, Tony Roberts, Shelley Duvall, Carol Kane, Paul Simon.

Autobiographical urban romantic comedy by Woody Allen following the up down relationship between a neurotic night club comedian and a young midwestern singer who meet, fall in love, quarrel and finally break up. Winner of Four Academy awards.

Apocalypse Now (1979) USA 153 mins Director: Francis Ford Coppola Cast:

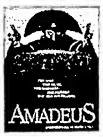
Marlon Brando, Robert Duvall, Martin Sheen, Frederic Forrest, Albert Hall, Sam Bottoms, Harrison Ford, Scott Glen, Dennis Hopper.

The most realistic account of the physical and psychological horrors of the Vietnam War; an updating of Joseph Conrads' Heart of Dorkness about an army captain who is ordered to hunt down a deranged American officer operating in Cambodia with an army of guerilla tribesmen. Undeniably brilliant, this film is also claustrophobic and terrifying. Winner of Two Academy awards.

Amadeus (1984) USA 160 mins Director: Milos Forman Cast: F. Murray

Abraham, Tom Hulce, Elizabeth Berridge, Jeffrey Jones, Charles Kay, Simon Callow, Christine Ebersole, Roy Dotrice, Kenny Baker

One of the most entertaining movies to emerge from Hol-



lywood in the 1980's, Amadeus has beautiful music, colorful costumes, a terrific script based on the original stageplay, superb acting performances and a stirring and exciting story. Tom Hulce starred as the immortal Wolfgang Mozart and Murray Abraham as his embittered rival, court composer Antonio Salieri. Winner of Eight Academy awards.

Blow Up (1966) Italy 110 mins **Director**: Michaelangelo Antonioni **Cast**: David Hemmings, Vanessa Redgrave, Sarah Miles

Antonioni's break through masterpiece of detection and obsession begins with photographer Thomas taking pictures of a romantic couple cavorting in a public park. The photos develop into frightening grainy images of an apparent murder of an old man. The mystery remains intact long after the film ends.

The Best Years Of Our Lives (1946)USA172mins Director: William Wyler Cast: Fredric March, Myrna Loy, Dana

Andrews, Harold Russel, Virginia Mayo, Teresa Wright, Cathy O'Donnell

A landmark classic drama about three World War II veterans attempting readjustment to peacetime life and discovering that they have fallen behind. The most memorable film about the aftermath of World War II. Winner of Seven Academy awards.

The Bridge on The River Kwai (1957) Great Britain 161 mins Director:

David Lean Cast: Alec Guinness, Jack Haw-kins, William Holden. Sessue Hayakawa, James Donald, Geof-frey Horne



This exceptional war movie is known for its visual beauty.

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Set in a Japanese Prisoner of War camp in Burma, the story centres around the construction of a railway bridge by British and American POWs and its subsequent destruction by a small commando unit. Winner of Seven Academy awards.

Ben-Hur (1959) USA 217 mins Director: William Wyler Cast: Charlton Heston, lack Hawkins, Stephen Boyd, Hugh Griffith, Haya Harareet, Matha Scott, Sam Jaffe, Cathy O'Donnell, Finlay Currie.

This spectacular 15 million dollar epic set in the Roman empire's province of Judea, starred Charlton Heston as the Jewish prince Judah Ben Hur, whose childhood friendship with the Roman tribune Messala (Stephen Boyd) turns to enmity when Messala destroys Ben Hur family. Sentenced to the galleys Ben Hur rescues a Romanadmiral during a sea battle and is adopted by him. Making his way back to Jerusalem, Ben Hur defeats Messala in a climactic Chariot race and rescues his mother and sister who have become lepers. They are cured by Christ at the moment of the crucifixion. Winner of Eleven academy awards, an all time record.

Breathless (1959) France 89 mins DIrector: Jean Luc Godard Cast: Jean Paul Belmondo, Jean Seberg, Daniel Boulanger

A Hoodlum kills a policeman after stealing a car and takes it on the lam with his American girlfriend. This key film of the French 'New Wave' movement of the late fifties is a romanticized view of crime and street life. Veteran director Francois Truffaut wrote the story. The original French title was A bout de souffle.

The Ballad of Narayama (1983) Japan 129 mins Director: Shohei Imamura Cast: Ken Ogata

Based on one of the most unusual Japanese legends, a century ago in a remote mountain village in northern Japan, a local custom dictated that when a person reached 70 years old they were taken to Mount Narayama to die. A true masterpiece of Japanese cinema and a Grand Prize winner at the Cannes Film Festival in 1983.

Citizen Kane (1941) USA 120 mins Director: Orson Welles Cast: Joseph Cotten, Orson Welles, Agnes Moorehead, Everett Sloane, Ray Collins, Dorothy Comingore, William Alland, Erskine Sanford

The rise to power of an American newspaper tycoon Charles Foster Kane, told in flashback through interviews with people who were close to him in his lifetime. Closely based on the career of newspaper magnate William Randolph Hearst, this remarkable movie is regarded as the greatest film ever made. Nominated for eight Oscars, but won only one award i.e., for best original screenplay.

Casablanca (1942) USA 102 mins Director: Michael Curtiz Cast: Humphrey Bogart, Ingrid Bergman, Claude Rains, Paul Henreid, Conrad Veidt, Peter Lorre, Dooley Wilson, Madeleine Le Beau, S.Z. Sakall

Critically-acclaimed, bittersweet, popular, much loved, World War II flavoured, nostalgic story of intrigue and love that teamed Bogart and Bergman as ill fated lovers. Based no improduced play Everybody Comes

this movie is indisputably one of the landmarks of American cinema. Winner of Three Academy awards.

A Clock Work Orange (1971) Great Britain 137 mins Director: Stanley Kubrick Cast: Malcolm Mc Dowell, Patrick Magee, Paul Farrell, Michael Gover, Warren Clarke, Michael Bates, John Clive, Andrienne Corn. Miriam Karlin

Bleakly pessimistic and utterly terrifying this brilliantly directed film, based on a novel by Anthony Burgess, takes audiences into a nihilistic and violent Britain of the future where anarchism reigns, gruesome crime is common place, and the young have lost all moral ties. First film to use the Dolby Laboratory Noise Reduction System.

Cabaret (1972) USA 123 mins Director: Bob Fosse Cast: Liza Minnelli, Michael York, Joel Grey, Marisa Berenson, Helmut Griem

An outstanding musical chronicling the adventures of an American singer in Berlin, in the days immediately preceeding World War II. Winner of Eight Academy awards.

Cries and Whispers (1973) Sweden 91 mins Director: Ingmar Bergman Cast: Harriet Andersson, Ingrid Thulin, Liv Ullmann, Erland Jospehson, Kari Sylwan

The haunting memories of a dying young woman in the house where she was born and being cared for by her devoted servant and her married sister. Academy award for Best Cinematography (Sven Nykvist).

Chariots of Fire (1981) Great Britain 123 mins Director: Hugh Hudson Cast: Ian Charleson, Ben Cross, Nigel Havers, John Gielgud, Nicholas Farrell, Nigel Daven port, Lindsay Anderson, Ian Holm, Cherryl Campbell,

Visually beautiful and reminiscent of old fashioned inspirational movies, Chariots of fire boasts a fine script, excellent performances, a thrilling musical score and a glimpse into recent history. The moving story of two British athletes, both outsiders and both running for a cause in the 1924 Olympics, Winner Four Academy awards.

Cinema Paradiso (1988) Italy 12

mins Director: Giuseppe Tornatore Cas Philip Noiret, Salvatore Cascio, Jacques Perri Marco Leonardi The story focuses on the love of a your

boy Salvatore, and indeed the entire Sicilia

village where he lives - for movies. Your Salvatore watches movies from the kind projectionists room of a theatre with much interest. The past unspools in a sentiment flash back for the middle aged Salvato when he is summoned home for a funeral -Alfredo the projectionist who is a surroga father figure. A pleasant sense of nostalg pervades this Oscar winner for Best Foreig

language film. The film also won Palme D'O at the Cannes festival. Chicago (2002) USA 113 mins Dire tor: Rob Marshall Cast: Renee Zellwege Catherine Zeta Jones, Richard Gere, Quee Latifah, Lucy Liu, John C. Reilly, Christir

Baranski, Dominic West, Taye Diggs This Oscar winning best picture of 2002 a razzle-dazzle tour de force, one of the be movie musicals of all time . Winner of S Academy awards.

(1944) US **Double Indemnity** 106 mins Director: Billy Wilder Cast: Fre Mac Murray, Barbara Stanwyck, Edwar Robinson, Porter Hall

The movie is one of the finest examples 'film'noir' ever to hit screen. Barbara Stanwyo is a calculating, blonde seductress who lure insurance agent Mac Murray into staging he husbands "accidental death" with their hand work later investigated by Robinson wh

traps them. Doctor Zhivago (1968) USA 19 mins Director: David Lean Cast: Omar Shari Alec Guinnes, Rod Steiger, Ralph Richardson Julie Andrews, Geraldine Chaplin, Rit Tushingham, Klaus Kinski.

Based on Boris Pasternak's novel this sweet

ing epic about a Russian doctor caught up in the turmoil of World War I and the Russian revolution was a spectacular box office success. The film is sweeping and episodic, with powerful individual segments. Its gorgeous scenery, romantic story, and haunting love theme have made it an audience favourite ever since its release. Winner of Five Academy awards.

Bicycle Thieves (1947) Italy 90 mins Director: Vittorio De

Sica Cast: Lamberto Maggiorani, Enzo Staiola, Lianella Carell

Considered by critics an all time classic, this touching, honest, beautifully human film tells the story of an unemployed Italian



worker whose bicycle is stolen. He and his small son search Rome for the precious conveyance. Special Academy award for Best foreign film.

Double Suicide (1969) Japan 105 mins Director: Masahiro Shinoda Cast: Kichiemon Nakamura, Shima Iwashita

Stunning portrait of erotic obsession and passion in turn-of-century Japan. Shinoda explores sexual taboos in his story of a merchant and a geisha whose ill fated love affair is orchestrated entirely by outside forces. This poignant drama is presented in the style of a Bunraku puppet play.

The Discreet Charm of The Bourgeoisie (1972) France/Spain/Italy 105 mins Director: Luis Bunuel Cast: Femando Rey, Delphine Seyrig, Stephane Audran, Jean Pierre Cassel, Paul Frankeur, Bulle Ogier, Julianne Bertheau.

Bold social criticism distinguishes this savagely funny surrealistic film. Crafted by the master of black humour and irony, Bunuel who is known primarily for his courageous ideas rather than for technical virtuosity, the movie concerns a group of friends who keep trying to get together for dinner and who are continually frustrated in the attempt. Basically a blistering attack on the stupidities of the world's bourgeoisie. Winner of Oscar for Best foreign film.

Day For Night (1973) France/Italy 117 mins Director: Francois Truffaut Cast: Jacqueline Bisset, Jean Pierre Leaud, Francois Truffaut, Valentina Cortese, Jean Pierre Aumont

A film within a film with Truffaut (as a fictional film director) best with difficulties of all kinds- the love affairs and emotional problems of his international cast -as he works his way through his latest production. Won the Best foreign film Oscar.

Dersu Uzala (1975) Russia/Japan 137 mins Director: Akira Kurosawa Cast: Maxim Munzuk, Yuri Salomin, Vladimir Klemena, Svetlana Danielchenka

Kurosawa adventure, set at the tum of the century, and centering on a Siberian trapper and a hunter explorer who form a deep inseparable friendship while surveying the unexplored forests of Eastern Siberia and Taiga land, Acad-

emy award for Best Foreign language film. The Deer Hunter (1978) USA 182 mins Director: Michael Cimino Cast: Robert De Nero, John Savage, Christopher Walken, John Cazale, Merryl Streep, George Dzundza

A huge sprawling movie about the effects of the Vietnam War on three young Pennsylvanian steel workers when they leave their home town for a tour of duty at the front. Only the strongest of the three survives; the others are crushed physically and mentally by

the war and torture at the hands of the Viet

Cong. Winner of Five Academy awards. Dances with Wolves (1990) USA 183 mins Director: Kevin Costner Cast: Kevin Costner, Mary Mc Donnell, Graham Greene, Michael Spears, Rodney A Grant, Tantoo Cardinal, Charles Rocket, Jimmy

It is a breath takingly well made film about a white man who comes into contact with Indians and adopts their way of life. It is both a stirring drama and a touching romance. Winner of Seven Academy awards.

Eight and A Half (1963) Italy 135 mins **Director**: Federico Fellini **Cast**: Marcello Mastroianni, Claudia Cardinale, Anouk Aimee Sandra Milo, Rosella Falk

Self analytical, unorthodox, confessional andwonderfully inventive, the autobiographical film, part fact and part fantasy, concerns a successful movie director who in Fellini's own words is 'trying to pull together the pieces of his life and make sense of them'. Perhaps Fellini's strongest cinematic achievement. Winner of Two Academy awards.

The Exorcist (1973) USA 122 mins Director: William Friedkin Cast: Ellen Burstyn, Linda Blair, Max Von Sydow, Jason Miller, Kitty Winn, Jack Mac Govern, Lee J. Cobb, Barton Heyman, Peter Masterson

Fourteen year old Regan is suddenly prone to fits and bizarre behaviour. After exhausting all the options of science and medicine, Regan's mother Chris turns to young priest Father Karras. Convinced that the girl is possessed by the devil, they call in a mysterious exorcist named Father Merrin. Their foe Is no ordinary devil. Both the girl and the priest suffer numerous horrors during the struggle. A classic of modern horror movies. Winner of Two Academy awards.

E.T. The Extra Terrestrial (1982) USA 115 mins Director: Steven Spielberg Cast: Henry Thomas, Dee Wallace-Stone, Drew Barrymore, Peter Coyote, Sean Frye, Richard Swingler, K.C. Martel, Michael Durrell, Robert Barton, Frank Toth

E.T. is about a lovable toddler sized creature from outer space stranded in a Los Angeles suburb. Three children protect E.T. from a hostile adult world which would mistreat him in the name of science. After numerous adventures and hair's breadth escapes E.T. is

finally allowed to return to his own planet. Won Four Academy awards.

From Here to Eternity (1953)
USA 118 mins Director: Fred Zinnemann
Cast: Burt Lancaster, Montgomery Clift,
Deborah Kerr, Frank Sinatra, Ernest Borgnine,
JackWarden, Donna Reed, Philip Ober, John
Dennis

Based on James Jone's novel, this movie about soldiers and the women in their lives is set in Hawaii at the time prior to Pearl harbour. Sot in documentary style this film is an unflattering look at military life tackling issues like adultery, injustice, corruption and murder. Winner of Eight Academy awards.

The Four Hundred Blows (1959)
France 99 mins Director: Francois Truffaut
Cast: Jean Pierre Leaud, Patrick Auffay, Claire
Maurier, Albert Remy

Powerful story of a boy and the world that seems to be at odds with him is true and touching. Powerful, tender and at times overwhelmingly sad, this great film touches all the right buttons without being exploitative.

The French Connection (1971)
USA 104 mins Director: William Friedkin
Cast: Gene Hackman, Roy Scheider, Femando
Rey, Tony Lo Bianco, Ann Rebbot, Arlene
Farber, Marcel Bozzuffi, Frederic de Pasquale

Based-on-fact thriller about two New York Narcotics squad detectives (Hackman and Scheider) who play a long shot hunch hoping to smash a 32 million dollar dope smuggling ring. The high point of this film is an exciting car chase with Hackman driving through on coming traffic in pursuit of an elevated train. Winner of Five Academy awards.

Fanny and Alexander (1982) Sweden/France/West Germany 197 mins Director: Ingmar Bergman Cast: Pemilla Allwin, BertilGuve, Erland Josephson

A beautiful fantasy about childhood complete with magic, villainy and melodrama, Fanny and Alexander is a work of art revealing the director's great range, his compassion e inspired sense of joy. Set in the early he century, the movie tells the story ther and sister from a warm, loving, ourful theatre family. Won Academy for Best foreign film, Cinematograostume and Art Direction.

rest Gump (1994) USA 142 mins or: Robert Zemeckis Cast: Tom Hanks, Wright Penn, Sally Field, Rebecca Wil-Gary Sinise, Sam Anderson, John ıll, George Kelly, Bob Penny sed on the novel by Winston Groom, the ood movie boasts a magnificent perforceby Tom Hanks and remarkable special ts. Winner of Six Academy awards.

one with The Wind (1939) USA mins Director: Victor Heming Cast: k Gable, Vivien Leigh, Leslie Howard, ria de Havilland, Thomas Mitchell, Barbara Neill, George Reever, Svelyn Keyer A legend in its own time and a legend day this vast tecnniculor epic bases on argaret Mitchels novel of a womans comg of age against the background of the merican Civil War is also elicvestory packet ith adventure Winner of Nine Academy wards.

The Great Dictator 1540 5 128 mins Director Chance Charlin Cast Charles Chaplin, Paulette Courtage, عدة كتخاني Grace Hayle

The first talkie film औ टाव्हांज ज एत.टा वह plays two characters, I jevien contact and Adencid Hynkel, dictator of Tomania, Trust a satire on According the sanctines are the same marks last time Chaptin ಸರ್ಕಾರ ಸರ್ಕೆ ಸಾಹಾರ characterization.

Giqi (1958) USA T.E mate Limeton Vincente Minnelli Casti المنظمة المنظ Chevalier, Louis cources, Englisher, France Gingold, Jacques Bergeries متعتبية . المتات

Based on the onoxing Countries and Andrew مراييز من المارية المرايد المرايد و Chrine Academy على المرايد المرايد المرايد المرايد و المراي Shot almost entirey in Fact that the same المستراك المستراك المستراك المستراك والمستراك والمستراك والمستراك والمستراك والمستراك والمستراك والمستراك والم

who gains the heart of a bored Parislan, An elegant musical film.

The Great Escape (1963) USA 170 míns Director: John Sturges Cast: Steve Mc Queen, James Garner, James Coburn, Donald Pleasance, Charles Bronson, Richard Attenborough, David Mc Callum

The movie concerns a group of Allied prisoners who plan a major escape from a Prisoner of War camp, partly with the idea of pulling Germans away from the front to aid in the recapture of the prisoners, Humour, action, suspense and a great chase scene all play a part in this epic cinemascope adventure film with the tragic ending.

The Godfather (1972) USA 175 mins Director: Francis Ford Coppola Cast:

Marion Brando, Al Pacino, James Caan, ichn Cazale, Robert Duvall, Diane Keaton, Talia Skira, Alex Rocco, Stening naydon, john Merey

The ganguer film of the contemporary or. स्ताह, इत्ताहद्धण्ड द्वाहरू द्व



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noncur, loyalty and crutal murder as the Conconefamily of New York lights in Venture eccentaricy over rival Water Type families. White of Three Ecocatiny awards Board on ماقعان عائلات تعلق يعتابد دوالة

Catherin 1966, ran 74 mino diversion. -१५४४ : १५४४ वर्षा हाम्या १५४४

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adds another jewel to the crown of Iranian Cinema.

Gandhi (1982) Great Britain 188 mins Director: Richard Atten borough Cast: Ben

Kingsley, Candice Bergen, Edward Fox, Trevor Howard, Martin Sheen, John Gielgud, Rohini Hattan-Roshan gady.



Seth, John Mills, Ian Charle-son, Saeed Jaffrey, Amrish Puri, Om Puri.

One of the finest screen biographies ever, this film chronicles the life of the Indian leader Mohandas K. Gandhi whose inspired leadership took India from the yoke of British imperialism to independence. Winner of Nine Academy awards.

How Green Was My Valley (1941) USA 118 mins Director: John Ford Cast: Maureen O'Hara, Walter Pidgeon Donald Crisp, Anna Lee, Roddy McDowall, Sara Allgood, Barry Fitzgerald

Based on Richard Llewellyn's novel the movie presents a nostalgic view of the joys and sorrows of a family in a Welsh mining town. Winner of Five Academy awards.

Hiroshima Mon Amour (1959) France 88 mins Director: Alain Resnais Cast: Emmanuelle Riva, Bemard Fresson, Eigi Okada

A mind boggling tale about two people, one a French woman, the other, a male survivor of the blast at Hiroshima. They meet and become lovers. Together they live in their pasts, present and futures in a complex series of fantasies and nightmares.

It Happened One Night (1934) USA 105 mins Director: Frank Capra Cast: Clark Gable, Claudette Colbert, Walter Connolly, Alan Hale, Roscoe Karns, Jameson Thomas, Arthur Hoyt

One of the greatest romantic comedies in film history, his film is about a runway heiress and a wandering journalist who form a lasting relationship in their journey across coun together. Clark Gable and Claudette Colb are the movies selling points. Winner of Fi Academy awards.

Ivan the Terrible (1945) USSR 1 mins Director: Sergei M. Eisenstein Car Nicolai Cherkasov, Ludmila Tselikovskaya

Considered among the classics of Wor Cinema, this epic biography of Russia's fi Czar was commissioned by Joseph Stalin encourage acceptance of his harsh and h torically similar policies. World renowned rector Eisenstein, instead transformed wh was designed as party propaganda into panoramic saga of how power corrupts tho seeking it.

laws (1975) USA 124 mins Directo Steven Spielberg Cast: Roy Scheider, Robe Shaw, Richard Dreyfuss, Lorraine Gary, J Mello, Murray Hamilton, Carl Gottlieb, Pet Benchley, Jeffrey Kramer

Based on the best selling novel by Pet Benchley, this adventure classic is set at a East Coast resort town, Amity Island which being terrorized by a great white shark. At of shark hunters team up to hunt down to roque. One of the highest grossing films of time. Winner of Three Academy awards.

Jurassic Park (1993) USA 127 mi Director: Steven Spielberg Cast: Sam Nei Laura Dern, Jeff Goldblum, Richa Attenborough, Bob Peck, Martin Ferrer Samuel L. Jackson, Joseph Mazzello, B. Wong, Ariana Richards

In this adaptation from the novel by Micha Crichton, dinosaurs are genetically recreate to populate the ultimate theme park and special few are allowed a sneak preview. Av and wonder soon turns to terror as the cre tures break out of their confines and go on rampage. Winner of Three Academy award

Knife in The Water (1962) Polar 94 mins Director: Roman Polansky Cas Leon Niemszyk, Jolanta Umecka, Zygmu Malanowicz

Absolutely fascinating feature film debut for director Polanski. A couple off for a sailing holiday encounter a young hitchhiker and invite him along on their yacht. The resulting sexual tension is riveting, the outcome impossible to anticipate. Won the Academy award for Best Foreign Film.

Hamlet (1948) Great Britain 150 mins Director: Laurence Olivier Cast: Laurence

Olivier, Basil Sydney, Eileen Herlie, Felix Aylmer, Peter Cushing, Stanley Holloway, Jean Simmons, Norman Wooland

Shakespeare's great tragedy transformed and reduced (from 41/ , hrs to 2 1/,hrs) by



Laurence Olivier, who both directed and starred as the Prince of Denmark, who learns from a ghost that his father has been murdered and that his mother has married the murderer. The first wholly British film to be named best of the year. Winner of Four Academy awards.

Kramer Vs Kramer (1979) USA 105 mins Director: Robert Benton Cast: Dustin Hoffman, Meryl Streep, Justin Henry, lane Alexander, Howard Duff, Jobeth Williams

Kramer Vs Kramer is a moving account of the aftermath of divorce and a memorable exploration of parent hood. Advertising executive Ted Kramer and his wife Joanna have a seven year old son Billy. One day Joanna leaves her husband and son. Ted and Billy have learned to live with each other, Joanna returns and demands Billys' sole custody. Winner of Five Academy awards.

The Lady Vanishes (1938) Great Britain 97 mins Director: Alfred Hitchcock Cast: Margaret Lockwood, Michael Redgrave, Dame May Whitty, Basil Rodford; Paul Lukas, Naunton Wayne.

This charming and riveting suspense drama is a masterpiece. Set almost entirely on a train to England, the movie concerns a young woman who discovers that an elderly lady, actually, a British spy, appears to have vanished into this air. She seeks the aid of a fellow passenger in an attempt to locate the old lady. One of the most admired films of Hitchcock.

La Strada (1954) Italy 94 mins Director: Federico Fellini Cast: Anthony Quinn, Giulietta Masina, Richard Basehart

Fellini's first internationally acclaimed film. Gelsomina, a simple peasant girl is sold to a circus strongman Sampano and as she follows him on his tour through the country side, she falls in love with him. She becomes the victim of his constant abuse and brutality until their meeting with an acrobat dramatically changes the course of their lives. Winner of Academy award for Best Foreign film.

Lawrence of Arabia (1962) Great Britain 221 mins Director: David Lean Cast: Peter O' Toole, Omar Sharif, Alec Guinness, Arthur Kennedy, Anthony Quinn, Jack Hawkins, Jose Ferrer, Claude Rains.

One of the greatest films of all time, with rich cinematography of the immense desert. A sweeping, breath-taking, cinematic biographical epic that follows the true life exploits of a famed British officer, T.E. Lawrence and his transformation from an enigmatic eccentric to a hero in WWI Arabia, Winner of Seven Academy awards.

The Last Emperor (1987) UK 160 mins Director: Bemardo Bertolucci Cast: John Lone, Peter O'Toole, Joan Chen, Victor Wong, Dennis Dun, Maggie Han, Wu Jun Mei.

In this awe-inspiring epic Bertolucci dramatizes the life of Pu Yi, China's last emperor. When he was taken from his home at the age of three to become the all powerful Emperor, the youngster was ironically condemned to a life time of imprisonment. Winner of Nine Academy awards.

The Lord of the Rings: The Return of the King (2003) USA 201 mins Director: Peter Jackson Cast: Sean Astin, Cate Blanchet, Orlando Bloom, Ian McKellen, Billy Boyd, Viggo Mortenson, Liv Tyler, Elijah Wood, John Noble, Andy Serkis, Miranda Otto......

Based on the epic fantasy by J.R.R. Tolkien, The Return of the King' marks the end of the journey that began with 'The Fellowship of the ring'. It tells the concluding story of the hobbits Frodo and Sam, who must make a perilous journey in order to cast the One Ring, which is the source of all evil. The movie is also memorable for the sheer scale of its battle scenes. Won 11 Academy awards, an all time record.

My Fair Lady (1964) USA 170 mins Director: George Cukor Cast: Audrey

Hepburn, Rex Harrison,
Stanley Holloway, Jeremy Brett,
Gladys Cooper, Wilfrid HydeWhite, Theodore Bikel

The film version of Bemard Shaw's Pygmalion written in 1913. The Story concerns an arrogant linguist Professor Henry Higgins betting his friend Colonel Pickering that he can transform cockney flower girl Eliza Doolittle into a lady. After six months Higgins wins the bet, but Eliza feels betrayed. She decides to leave him, but finds it is not easy. Winner of Eight Academy awards.

A Man For All Seasons (1966) Great Britain 120 mins Director: Fred Zinnemann Cast: Paul Scofield, Robert Shaw, Leo Mc Kern, Wendy Hiller, Orson Welles, Susannah York, Nigel Davenport, John Hurt

The battle of wills between Sir Thomas More, Chancellor of England and ebullient Henry VIII who in 1528 was seeking a divorce from Catherine of Aragon in order that he might marry Anne Boleyn. More's brave stand

led to his martyrdom. Winner of Six Academy awards.

Midnight Cowboy (1969) USA 113 mins Director: John Schlesinger Cast: Jon Voight, Dustin Hoffman, Sylvia Miles, Ruth White, John Mc Giver, Brenda Vaccaro, Jennifer Salt, Barnard Hughes

In this tremendous film about the struggle for existence in the urban nightmare of New York's 42nd street area, Jon Voight and Dustin Hoffmann deliver brilliant performances. Voight plays Joe Buck an aspiring male prostitute from Texas who heads to New York for making money by living as a stud. Hoffmann plays Rasto Rizzo, a slimy con artist suffering from tuberculosis. They depend on each other for their existence, Winner of Three Academy awards.

Mephisto (1981) Hungary 144 mins **Director:** Istvan Szabo **Cast:** Klaus Maria Brandauer, Krystyna Janda, Gyorgy Cserhalmi, Peter Andorai, Rolf-Hoppe, Ildiko Bansagi

Hungarian film tracing the rise of an ambitious German actor who marries the daughter of a pro-Nazi figure, thrives when the Nazis come to power then subverts classic figures to the Nazi outlook. A vivid portrait of moral corruption in a malignant society. Won the Academy award for the Best Foreign film.

Nazarin (1958) Spain 92 mins Director: Luis Bunuel Cast: Francisco Rabal, Jesus Fernandex

A memorable film by Bunuel that present a clever variation of the Don Quixote theme, applied to religion and hypocrisy. A priest is cast out of his church for giving shelter to a prostitute. This surrealistic comedy won the Grand Prize at the Cannes Film Festival.

Nostalghia (1983) Italy 120 mins Director: Andrei Tarkovsky Cast: Oleg Yannkovsky, Erland Josephson

Tarkovsky's first film made outside his native Russia is this highly personal work about a Russian poet on a research project in Italy who attempts to turn his longing for his home and family into a positive experience.

On The Water Front (1954) USA 108 mins Director: Elia Kazan Cast: Marlon Brando, Karl Malden, Rod Steiger, Eva Marie Saint, Lee J. Cobb, Pat Henning, Leif Erickson, John F. Hamilton

This celebrated muckraking film exposes degrading dockside labour practices, with director Kazan throwing a harsh spotlight on the crooked union bosses who used strong arm tactics and forced Stevedores to beg for their jobs.



Marlon Brando is superb as Terry Malloy who tries to overthrow a corrupt union and succeeds. Winner of Eight Academy awards.

One Flew Over The Cuckoo' Nest (1975) USA 134 mins Director: Milos Forman Cast: Jack Nicholson, Louise Fletcher, Sydney Lassik, Brad Dowrif, William Redfield, Dean R. Brooks, Peter Brocco, Danny D'Vito

Patrick Mc Murphy is a drifter who pretends to be a mentally ill in order to get out of work duty at prison. He is sent to a mental ward ruled by the tyrannical Nurse Ratched who regiments the lives of the patients without helping them. Mc Murphy who sees the absurdity of the situation becomes the patients symbol of non conformity and rebellion. Winner of five major Academy awards - best picture, director, actor, actress and script.

Psycho (1960) USA 109 mins Director: Alfred Hitchcock Cast: Anthony Perkins, Janet Leigh, Vera Miles, John Gavin, Martin Balsam, John McIntire, Simon Oakland, Patricia Hitchcock

Psycho is regarded as the 'mother' of all modern horror suspense films-it inspired plenty of future screen 'slashers'. The murder of Marion Crane (Janet Leigh) in the shower of Room one in Bates Motel is one of the most shocking and famous scenes in the history of films. Anthony Perkins's haunting portrayal of Norman Bates is one of cinema's most chilling performances.

Patton (1970) USA 170 mins Director: Franklin J. Schaffner Cast: George C. Scott. Karl Malden, Stephen Young, Michael Bates. Michael Strong, Frank Latimore, James Edwards, Cary Lofin

The wartime career of one of the most controversial American commanders of World War II, General George S. Patton who forfeited command of the 7th army in Sicily after he had struck a soldier suffering from battle fatique. George Scott is spell binding in the title role. Winner of Seven Academy awards.

Picnic At The Hanging Rock (1975) Australia 110 mins Director: Peter Weir Cast: Rachel Roberts, Helen Morse, Dominic Guard, Jackie Weaver.

Surreal, hypnotic suspense story revolves around the mysterious disappearance of a group of girl students from the Apple yard College at the turn of the century in Australia. They were on a picnic at the nearby Hanging Rock, a primordial formation of mysteriously forbidding rocks.

(1950) Japan 88 mins Rashomon Director: Akira Kurosawa Cast: Toshiro Mifune, Machiko Kyo, Masayuki Mori, Takashi Shimura

This was the first lapanese film to receive widespread international recognition after World War II. A bandit is on trial for raping a woman in a forest in front of her husband and then murdering the husband. The events are related by the three principals and a wood cutter who witnessed the crime. All the versions contradict one another and all are equally convincing. Won the Academy award for Best Foreign language film.

Roman Holiday (1953) USA 118 mins Director: William Wyler Cast: Gregory Peck, Audrey Hepburn, Eddie Albert, Harcourt Williams, Hartley Power, Margaret Rawlings

Romantic comedy which made Audrey Hepburn a star and earned her an Oscar in her first major role that of a young princess Ann who escapes from the pomp and ceremony of her surroundings for 24-

hours and enjoys a brief romance with American journalist Joe Bradley (Gregory Peck).
Won Three Academy awards.

Rain Man (198B) USA 133 mins Director: Barry Levinson Cast: Dustin Hoffman, Tom Cruise, Valeria Golino, Ralph Serymour, Jack Murdock, Gerard R. Molen

Hoffman gives the performance of his career as the autistic older brother (Raymond Babbit) of Tom Cruise who plays a thoughtless, self-centered hustler (Charlie Babbit) with room in his life only for money. Greed propels him to take a cross country road trip with Raymond, who inherited the bulk of Dad's vast estate. Won Four major Academy awards for best picture, director, actor and original screenplay.

Red Sorghum (1988) China 91 mins Director: Zhang Yimou Cast: Gong Li, Jian Weng, Liu Ji

A superb pastoral epic from the People's Republic of China and winner of Golden Bear at the 1988 Berlin Film Festival. The story relates a passionate folk tale about village wine makers who fight against interloping Japanese invaders. Lyrical and affecting drama.

Snow White and The Seven Dwarfs (1938) USA 83 mins Director: David Hand

Based on the well known fairy tale by Brothers Grimm, this milestone in Animation history was Walt Disney's first full length feature. It is an extraordinary well crafted film with each cartoon character vividly drawn and given a distinct personality. The seven dwarfs-Bashful, Doc, Dopey, Grumpy, Happy, Sleepy and Sneezy - are endearing and won-

derful. The wicked queen is the epitome of cold, dark beauty. And snow white is a charmer. This delightful, colourfilm is a treat for the whole family. Even the songs of the film have become very popular and famous.

The film received a Special Academy award consisting of one regular sized statuette and seven 'dwarf' statuettes.

Singin' In The Rain (1952) USA 103 mins Director: Gene Kelly, Stanley Donen Cast: Gene Kelly, Debbie Reynolds, Jean Hagan, Donald O'Connor

One of the all time best Hollywood musicals that spoofs and satirizes the traditional chaos surrounding the end of the silent era and the dawn of the 'talkies'.

The Seventh Seal (1956) Sweden 96 mins Director: Ingmar Bergman Cast: Max Von Sydow, Bengt Ekerot, Gunnar Bjornstrand, Bibi Anderson, Gunnel Lindblom

A Swedish knight who has been on the Crusades and has lost his faith returns home to a land beset by plague and panic. He meets Death who offers him a short reprieve by playing a game of chess. This film is about disillusionment, good vs evil, the existence or non-existence of God and other questions. Whatmakes it a masterpiece, however are the strong performances and stunning photography. Many of the images, the chess match, the final Dance of Death are among the most famous in the history of cinema.

The Sound of Music (1965) USA 174 mins Director: Robert Wise Cast: Julie Andrews, Christopher Plummer, Peggy Wood, Anna Lee, Eleanor Parker. Debbie Tumer, Heather Menzies, Nicholas Hammond, Duan Chase, Angela Cartwright, Kym Karath

Maria is a free spirited novice at a convent who is hired by Baron Capt. George Von Trapp to be governess to his seven children. She becomes friends with the children and opens them to the joy of music, winning the heart of their father whom she later marries. When the Nazi invasion of Austria threatens

their happiness they plot a dramatic escape. Winner of Five Academy awards.

Starwars (1977) USA 121 mins Director: George Lucas Cast: Harrison Ford, Peter Cushing, Alec Guinnes, Kenny Baker, Camie Fisher, Mark Hamill, Anthony Daniels, Peter Mayhew

One of the most inventive and entertaining films ever made Starwars knits together fragments of mythology and science into a tale everyone can relate to. A big budget blockbuster with astounding special effects. Won Seven Academy awards.

The Seven Samurai (1954) Japan 197 mins Director: Akira Kurosawa Cast:

Toshiro Mifune, Taka-shi Shimura, Yoshio Inaba, Ko Kimura, Daisuke Kato, Minoru Chiaki, Kamatari Fuji-wara.

This lapanese movie ut seven swords-1 coming to the of a besieged peasvillage - is one of



se rare screen wonders that seems to end ch too soon. Its story is appealing and eless. Winner of Academy awards for Best eign language film.

The Silence of the Lambs (1991) A 118 mins Director: Ionathan Demme st: Jodie Foster, Anthony Hopkins, Scott enn, Ted Levine, Frankie Faison, Kasi nmons, Anthony Heald.

In this shock filled movie, an FBI cadet is signed by her superior to interview an imisoned, cannibalistic psychopath in the pes of getting his help in capturing a azed serial killer. Superb performances by ister and Perkins. Winner of Five major :ademy awards.

Schindler's List (1993) USA 185 mins irector: Steven Spielberg Cast: Liam eeson, Ben Kingsley, Ralph Fiennes, Caroline oodall, Jonathan Sagalle, Embeth Davidtz, ndrzej Seweryn

The story of one man's (Oskar Schinder) struggle to save the lives of 1000 Polish jews during the Third Reichs' implementation of Hitler's 'final solution'. Spielbergs' masterpiece. Won Seven Academy awards.

Tokyo Story (1953) Japan 139 mins Director: Yasujiro Ozu Cast: Chishu Ryu, Chiyeko Higashiyama, Kyoko Kagawa, Shiro Ozaka, Kuniko Miyake, Haruko Sugimura

Ozus overpowering masterpiece is a deeply felt human drama about an elderly couple who travel to Tokyo, where they are unenthusiastically received by their grown up children. Outstanding black and white cinematography brilliantly captures the landscapes of Tokyo,

Throne of Blood (1957) Japan 110 mins Director: Akira Kurosawa Cast: Toshiro Mifune, Isuzu Yamada, Minoru Chiaki, Takashi Shimura, Chieko Naniwa, Takamaru Sasaki, Akira Kubo

Kurosawa's retelling of 'Macbeth' may be the best film adaptation of Shakespeare ever made. He uses the medium to present Shakespeare's themes in visual images.

2001: A Space Odyssey (1968) Great Britain 141 mins Director: Stanley Kubrick Cast: Kier Dullea, Gray Lockwood, William Sylvester, Daniel Ritcher, Robert Beatty, Sean Sullivan, Margaret Tyzack, Leonard Rossitter

Spectacular movie production of the future revolving round the discovery of a centuries old monolith on the moon and the subsequent journey by a group of astronauts to Jupiter in search of extra terrestrial life. Breath taking special effects by Kubrick and his team earned the film an Academy award. The film contains some of the most powerful images ever to grace a science fiction film.

The Tin Drum (1979) Germany/France 142 mins Director: Volker Schlondorff Cast: David Bennent, Angela Winkler, Mario Adorf, Daniel Olbrychski, Charles Aznavour Gunther Grass's bizarre tale of three-1.00

oskar, who stops growing as the Nazis rise to ower in Germany. Oskar expresses his outrage by banging on a tin drum. This unique film has disturbing dream like quality, while its visuals re alternately startling and haunting. Won cademy award for Best Foreign Film. Winner of Grand Prix at Cannes Festival.

Three Colours:- Blue, White, led (1993, 1994) France/Poland/Switzerand Director: Krzysztof Kieslowski Cast:
Uliette Binoche, Benoit Regent, Emmanuelle
iva, Charlotte Very, Florence Pemel, (Blue)
Ubigniew Zamachowski Julie Delphy (white),
rene Jacob, Jean-Louis Trintgnant (Red)

Three feature films work separately and as trilogy, symbolising the three colours which tand for three concepts - Liberty, Equality and Fraternity.

Bive- is a mournful anthem to the ideal of new, post cold war Europe. Julie loses her susband Patrice, a renowned composer and laughter Anna in a car accident. She tries to orget, to cut herself off from all previous ties and begin a new life. The subtle use of the heme colour is echoed, highlighted and countered by a soaringly beautiful score.

White - Karol, a Polish hairdresser in Paris has become impotent and his wife throws him out on to the streets. His revenge is to turn into a ruthless entrepreneur in the chapotic free market of Poland.

Red-Imposes a formal unity on the trilogy with the judicial intervention of a Retired udge. Valentine, a young model and the old udgemeet as adversaries initially but a curious bond develops between them over a period of incident rich time.

Titanic (1997) USA 194 mins Director: James Cameron Cast: Leonardo Di Caprio, Kate Winslet, Kathy Bates, Billy Zane, Gloria Stuart, Bernard Hill, Bill Paxton, onathan Hyde

James Cameron made Titanic on a monunental scale, meticulously recreating an ilfated journey of the luxury liner with lavish sets and special effects and a haunting emotional core. Leonardo Di Caprio and Kate Winslet are perfectly cast as the vulnerable young lovers from opposite ends of the social strata who find true passion before the ship collides with an iceberg. Winner of Eleven Academy awards an all time record.

Umberto D (1955) Italy 89 mins Director: Vittorio De Sica Cast: Carlo Battista, Maria Pia Cassilio

Umberto an elderly retired civil servant living on an inadequate pension in postwar Rome, is threatened with eviction unless he pays his back rent. He also deeply care about his dog Flike and a pregnant and unmarried young maid Maria who also faces eviction. This is a realistic socially moving drama, one of director De Sica's best.

Ugetsu (1953) Japan 94 mins **Director:** Kenji Mizoguchi **Cast:** Machiko Kyo-Masayuki Mori, Eitaro Ozawa, Kinuyo Tanaka -Mitsuko Mito

Set in 16th century Japan, this film follows the lives of two Japanese peasants as their greed and ambition brings disaster upon their families. There is a fine blending of action and comedy in this ghostly tale.

Vertigo (1958) USA 128 mins Director: Alfred Hitchcock Cast: James Stewart, Kim Novak, Barbara Bel Geddes, Henry Jones, Tom Helmore, Ellen Carby, Lee. Patrick, Raymond Bailey

Vertigo, a haunting tale of deception, madness and death, is one of Hitchcock's most closely studied films for its psychological complexity. With a plot full of twists and surprises, excellent direction and stylish cinematography Vertigo is thrilling, thought provoking and timeless.

The Wizard of Oz (1939) USA 101 mins Director: Victor Fleming Cast: Judy Garland, Frank Morgan, Ray Bolger, Bert Lahr, Margaret Hamilton, Billie Burke, Jack Haley

The film belongs to the exclusive category of films capable of equally enchanting children and adults. The tale of the little girl

Dorothy who is whirled away from home by a tornado and manages to get back with the aid of three friends. Won Two Academy awards for Best original score and Best Song.

Wages of Fear (1953) France/Italy 128 mins Director: Henri-Georges Clouzot Cast: Yves Montand, Charles Vanel, Peter Van Eyck, Folco Lollì, Vera Clouzot

This masterpiece of suspense concerns four Europeans stranded and broke in a South American country, take a job of driving two truckloads of nitro-glycerine over hundreds of miles of mountain roads. The roads are horrible and the trucks may blow up at any moment. It is also an angry denunciation of the exploitation of workers and an exploration of the relationships between four men.

Wild Strawberries (1957) Sweden 90 mins Director: Ingmar Bergman Cast: Victor Sjostrom, Ingrid Thulin, Bibi Anderson, Gunnar Bjornstrand, Max Von Sydow

An elderly Swedish Professor Isak Borg drives back to his home town to receive an honorary degree. His past life is revealed through dreams and a series of flash backs. It is one of the most-influential films in history and is still studied by film makers everywhere.

West side Story (1961) USA 151 mins Director: Robert Wise, Jerome Robbins Cast: Natalie Wood, Richard Beymer, Rita Moreno, Ned Glass, George Chakris, Russ Tamblyn, Simon Oakland

Amusical updating of Shakespeare's Romeo and Juliet to the slums of New York with Tony and Maria trying to find peace and love despite the gang wars between the immigrant Puerto Ricans (The Sharks) and the native New Yorkers (The Jets) going on around them. Winner of Ten Academy awards.

Z (1969) France/Algeria 127 mins Director: Costa-Gavras Cast: Yves Montand, Jean-Louis Trintignant, Jacques Perrin, Irene Papas, Charles Denner, François Perier.

Chilling political thriller based on the true life incident of the 1963 assassination of a left wing Greek deputy. Winner of Academy award for Best foreign language film.

Windian = 230 first

First Nobel Prize winner for Literature - Sully Prudhomme, France (1901)

First Nobel Prize winner for Peace -Jean Henri Dunant, Switzerland & Frederic Passy, France (1901)

First Nobel Prize winner for Physics - Wilhelm Conrad Roentgen, Germany (1901)

First Nobel Prize winner for Physiology & Medicine - Emil Adolf Von Behring, Germany (1901)

First Nobel Prize winner for Chemistry -Jacobus Henricus Van't Hoff, Netherlands (1901) First Nobel Prize winner for Economics - Ragnar Frisch, Norway & Jan Tinbergen, Netherlands (1969)

First person to win two Nobel Prizes - Marie Sklodowska Curie (first in Physics, 1903 and the second in Chemistry, 1911)

First Pulitzer Winner for Biography - Laura E. Richards, H. Elliott, and Florence Hall for "Julia Ward Howe" (1917)

First Pulitzer Winner for History - Jean Jules Jusserand for "With Americans of past and present days" (1917)

First Pulitzer Winner for Reporting - Herbert B. Swope (1917)

oh Bunche (1950)

Indian to win Nobel Prize in Literature
Indianath Tagore. He was also the first

In to get the prize (1913)

lack to receive the Nobel Peace Prize -

ndian to win Booker Prize - Arundhati . For 'The God of Small Things' (1997)

Indians to win trat Ratna - Dr. S. Hhakrishnan, C. agopalachari, and C.V. Raman

Indian to win dasaheb Phalke ard - Devika Rani

54)

70)



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ank in the world - Egibi bank founded Babylon during the period of Nebudnezzar (605 - 562 BC)

alkie movie in the world - "The Jazz ger" (1927)

Oscar winner for the Best Actor - Emil nings (1928)

plack actor to win an Oscar in a major egory - Sidney Poitier, It was for his role the film, "Lilies of the Field" (1964) Indian Oscar winner - Bhanu Athaiya,

r Best Costume Design for the film indhi' (1982)

Indian Oscar nomination for Best Forn Language Film - Mother India (1957) criminal to be executed by electrocun - William Kemmler in Auburn Prison New York (1890)

kyscraper in the world - Home Insurte Building, Chicago, Illinois. William Baron Jenny was the architect of this 10 rey, 138 ft., building (1885)

nagician to perform the magic of sawa woman in half - Count de Grisley '99)

aerial photographers in the world nuel Archer King and William Black. 2y made two photos of Boston (1860) First dry dock in the world - Portsmouth Hampshire (1495) First direct transfusion of blood - performe

by Richard Lower, English physician an physiologist (1666)

First person to be convicted by the proces

of DNA fingerprinting - Colin Pitchfor (1988) First person to be exonerated by the proces

of DNA fingerprinting - Richard Buckland (1988)

First person to be executed by the guilloting - Nicolas J. Pelletier (1792)

First President of ADB-Takeshi Watanabi (1966)

First Beauty Contest in the world - Started by Cypselus, the King of the Greek City o Konnth. It continued for centuries (700 BC First cloned mammal - Dolly, the lamb (1996 First sex-change operation in the world George (Christine) Jorgenson (1952)

First human heart transplant was performed by - Dr. Christian Barnard (1967)

First human heart transplant recipient - Loui: Washkansky. He lived only 18 days with the new heart (1967)

First recipient of a permanent artificial hear - Barney Clark (1982)

First artificial pacemaker implant into a human - By a Swedish team using a pacemaker designed by Rune Elmqvist. The patient was Arne Larsson (1958)

First test tube baby - Louise Brown, In Lancastershire, England. Patrick Christopher Steptoe, English obstetrician, together with Robert Edwards, biologist, succeeded in this first human in vitro fertilization (1978)

First Indian Test tube baby - Harsha, at KEM hospital Mumbai. Indira Hinduja was the doctor (1986)

Parkinson's disease was first described by James Parkinson, British neurologist (1817) Hodgkin's disease was first recognized by Thomas Hodgkin, English physician. He

- was also the first person to stress the importance of post mortem (1832)
- DNA finger printing was first developed by -Prof. Alec Jeffreys, UK (1984)
- First performance of "blue baby" operation - Drs. Helen Taussig and Alfred Blalock performed the first neonatal surgical treatment for malformations of the heart, "blue baby operation", at Johns Hopkins Hospital, USA (1944)
- First official recognition of AIDS in the world - Centers for Disease Control issued a press release describing five cases in Los Angeles, USA (1981)
- First to clone an AIDS virus and work out its anatomy - Chinese American Flossie Wong Staal (1985)
- First Chief Justice of the US Supreme Court -John Jay (1789)
- The first magazine printed in the world-'Journal of the Learned' (Journal des Scavans) published in Paris (1665)
- Inventor of the first sign language alphabet for the use of the deaf - George Dalgarno, Scottish school teacher (1680)
- The first alphabetical encyclopedia Technical Lexicon. Compiled by John Harris (1704)
- Copyright was first recognized in the world -An author's copyright was first recognized in Britain by an Act of Parliament (1709)
- World's first crossword Devised by Arthur Wynne, England (1913)
- First American novel -The Power of Sympathy by William Hill Brown (1789)
- World's first television service -The British Broadcasting Corporation (BBC) started from Alexandra Palace with three hours of programming a day (1936)
- First Indian Sponsored TV serial Hum Log (1984)
- World's first teletext system Ceefax and Oracle. It were developed by the BBC and Independent Television in the UK (1973) First Post Office system in United States -

- William Godard established the first Post Office system in United States at Baltimore (1774)
- First incident of a murder shown live on television - Jack Ruby killing Lee Harvey Oswald
- First dictionary in the world 'Explaining Words, Analysing Characters' (Chinese) Compiled by Hsew Shen (C 100 AD)
- First Thesaurus in the world Chinese 'Literary Approximater' (C 800 BC)
- First Encyclopaedia in the world-'Antiquities of Things Human and Divine' written by Roman scholar Marcus Terentius Varro (47 BC)
- First Press Agency in the world Charles Havas started the first press agency supplying news to French newspapers (1835 AD)
- First daily Newspaper in the world The Daily News (Acta Diurna) This is the earliest known handwritten Daily Newspaper in the world published in Rome (1st BC)
- First printed book in the world Diamond Sutra. This Chinese book on Buddhist scriptures, is the oldest known dated printed book in the world (868 AD)
- First novel in the world Cyropaedia, historical Greek novel written in Corinth about the life of Cyrus (360 BC)
- First US President George Washington. He is the only unanimously elected US president (1789)
- First US President to be inaugurated in Washington, D.C - Thomas Jefferson (1801)
- First US president to die in office William Henry Harrison. He also had the shortest term in office, 32 days (1841)
- First US President to be assassinated -Abraham Lincoln. He is also the first president from the Republican Party (1865)
- First and only US president to resign from office - Richard Nixon (1974)
- First and only US President to win election to nonconsecutive terms - Grover Cleveland. He is also the first US President married inside the White House in 1886 (1892)

First US President to reside in the White House - John Adams. He was the first Vice President and the second President (1797) First US president to speak on television -

Franklin D. Roosevelt. He was the first US President to ride in a car, first American to get the Nobel Peace Prize, first and only US President swom in for a fourth term (1939)

First US President to have a telephone in the White House - Rutherford B. Hayes First and only bachelor to be elected US Presi-

dent - James Buchanan First US President to hold regular news briefings - Woodrow Wilson

First US President to make a radio broadcast - Calvin Coolidge

First US President to be a Rhodes Scholar -

Bill Clinton First USVice President to assume Presidency upon

the death of the President - John Tyler (1841) First unelected US Vice President to become President - Gerald R. Ford (1974)

First Inaugural ceremony broadcast live on the Internet.- William J. Clinton (1997) First American Indian to become a US Sena-

tor - Charles Curtis (1907) First openly gay U.S. Congressperson - Barney

Frank (1981) First Jewish to become US Secretary of State

- Henry Kissinger (1973) First Black to become US secretary of state -

Colin Powell (2000)

First Speaker of the US House of Representatives - Frederick Muhlenberg (1789)

First Jewish ambassador from US - Oscar Straus, ambassador to Turkey (1887) First black Secretary General of the United

Nations - Kofi Annan (1987)

First senator in the US to be impeached by the House of Representatives - William Blount (1797)

First Secretary General of United Nations -Trygve Lie, Norway (1946)

First Prime Minister of UK - Robert Walpole (1721)

First English Monarch to live in Buckingh Palace - Queen Victoria (1837)

First 8ritish Monarch to have a televised co nation - Elizabeth II (1953)

First Prime Minister of Australia - Edmu Barton (1900)

First elected president of Indonesia Abdurrahman Wahid (1999) First Prime Minister of Canada - Sir lo

Alexander McDonald (1867) First Tsar of Russia - Ivan IV, the Temble (15-

First reigning queen of England - Queen M. I (Bloody Mary) (1553) First Indian Prime Minister to be voted out office - Indira Gandhi, when the Indian I

tional Congress lost to the Janata Party (19) First Non Congress government in Indi Janata Party Government with More

Desai as the Prime Minister (1977-197 First Emperor of Rome - Augustus (27 BC) First President of Chile - Manuel Blan Encalada (1826)

(1876)First Prime Minister of Canada - Sir John Macdonald (1867)

First Prime Minister of Sweden - Louis De G

First President of Slovenia - Milan Kuc (1990)

First Black President of South Africa - Nels Mandela (1994) First Prime Minister of Australia - Edmu

Barton (1901) First country to implement 'right to vote'

woman (female suffrage) -New Zeala

(1893)First American to be canonized as sain

Mother Frances Xavier Cabrini (1946) First Pope to visit Cuba - John Paul the So ond (1998)

First Tour de France (road bicycle race) w ner - Maurice Garin (1903)

First recognized boxing (fisticuffs) champi -Tim Hyer (1841)

World's first chess champion - Wilhe Steinitz (1886)

rst person ever to codify a set of rules for boxing - lack Broughton (1743)

rst golf club in the world - Honourable Company of Edinburgh Golfers (1744)

irst footballer of the Year - Sir Stanley Matthews, English footballer. He was also the first European Footballer of the Year in 1956, and the first footballer to be knighted in 1965. (1948)

irst man to run a mile under 4 minutes -British Athlete Sir Roger Bannister. He established this record at Iffley Road Track, Oxford in 3 minutes 59.4 seconds (1954) irst Indian Olympic team medal - Gold for Hockey. At Amsterdam beating the Netherlands (1928)

irst Indian Olympic individual medal winner - K. D. Jadhav, Bronze in wrestling at Helsinki (1952)

irst athlete disqualified at the olympics for drug use - Hans-Gunnar Liljenwall at the Mexico summer Olympics (1968)

First Asian Olympic Gold Medalist - Kristie Yamaquchi

The first cricket club - Cricket club founded in Hambledon, a village in southern England (1750)

First Indian Cricket tournament -The Bombay Triangular which later became the Bombay Quadrangular (1912)

First Indian Cricket test match - Against England at Lord's (1932)

First Indian Cricket captain - CK Nayudu, for the tour of England (1932)

First Indian cricketer to score a century - Lala Amarnath, against England in South Bombay. He was also independent india's first test captain leading a tour of Australia in 1947-4B. (1933)

First Indian cricketer to score a triple century · Virender Sehwag, against Pakistan at Multan (2004)

First Indian hat-trick in Test cricket -Harbhajan Singh, against Australia (2001) First Indian Batsman to complete 10,000 runs-Sunil Gavaskar. He was first in the world to achieve this

First black tennis player to a Wimbledon singles title - Althea Gibson (1957)



Sunil Gavaskar

First Indian Tennis Grand

Slam title - Mahesh Bhupathi, partnering with Japanese Rika Hiraki, in the Mixed Doubles category of the French Open (1997)

First Indian woman to enter the third round of a Grand Slam tournament - Sania Mirza (2003)

First man to set land speed record in car racing - Alexander Winton, at Daytona Beach at a speed of 68.18 mph (1903)

First man to reach the South Pole - Roald Amundsen, Norwegian explorer and team (1911) First pilots to fly around the world non-stop and non-refueled - Jeana Yeager and Dick Rutan, they achieved this in a specially designed aircraft named the Voyager (1986)

First man to fly solo non stop across the Atlantic - Charles Lindbergh (1927)

First person to fly faster than the speed of sound - Charles Elwood Chuck Yeager, he flew a Bell X-1 rocket at 670 mph in level flight (1947)

First person to swim across the English Channel - Matthew Webb (1B75)

First person to swim the English Channel nonstop in both directions - Antonio Abertondo (1961)

First American to swim across the English Channel - Henry Sullivan (1923)

First person to swim from the Bahamas to Florida - Diana Nyad (1979)

First person to cross Antarctic Circle -James Cook (1773)

First surface journey around the world's polar circumference - Sır Ranulph Twisleton -Wykeham Fiennes, Bntish explorer. He was the first man to visit both the North and South Poles by land (1979 -1982)

rst known person to survive the jump off of Niagara Falls - Sam Patch, who is also known as 'the Yankee Leaper' (1829) rst person to cross Niagara Falls on a tight-

rst person to cross Niagara Falls on a tightrope - Charles Blondin (Jean François "Blondin" Gravelet) (1859)

rst flying trapeze circus in the world - Jules Leotard, performed at the Cirque Napoleon in Paris without safety nets (1859)

rst man to set 400 mi/h, 500 mi/h, 600 mi/h h land speed records in car in the world -Craig Breedlove (between 1963 - 1965) rst humans to fly - Marquis d'Arlandes & Pilatre de Rozier. In this first manned bal-

loon flight in the world they were airborne in a hot-air balloon for 20 minutes in Paris at the height of 3000 ft and travelled 7

miles (1783)

rst parachute jump - André-Jacques Garnerin, the inventor of parachute, dropped from 3000 ft. over Monceau Park in Paris in a 23-ft. diameter parachute (1797)

rst successful hot air balloon flight over the North Pole - Sidney Conn and his wife, Eleanor, in hot-air balloon Joy of Sound (1980)

irst nonstop transcontinental balloon flight
- Maxie Anderson and his son Kris completed four day flight from Fort Baker, California, to successful landing outside
Matane, Quebec, in their helium filled balloon, Kitty Hawk (1980)

irst nonstop round the world balloon flight Bertrand Piccard, Switzerland and Brian Jones, UK flew 45,755 km from Chateaux d'Oex, Switzerland, to Dakhla, Egypt, in about 20 days (1999)

rst balloonist to fly solo nonstop around the world - Steve Fossett, U.S. He launched from Northam, West Australia, on June 19 and returned to Queensland, Australia, after 14 days, 19 hrs. He broke three balloon records along the way, faste: around the world, longest distance solo, and longest time flown solo (
First hydrogen filled balloon flight - J.
A. C. Charles, Paris physicist. The 1 diameter balloon got up to about 3 and travelled about 16 miles with minutes (1783)

First successful transatiantic balloon t Larry Newman and Maxie Anderson pleted the crossing in their heliun balloon, Double Eagle II (1978)

First transatlantic hot-air balloon fligh chard Branson and Per Lindstrani 2,789.6 miles in 33 hours from Sug Mt., Maine, to Ireland in the hot-a loon Virgln Atlantic Flyer (1987)

First solo transatlantic balloon flight - Kittinger. He landed near Savona, It his helium-filled balloon, after a flight 3,535 miles from Canbou, Maine (1 First solo transpacific balloon flight - Fossett. He made a flight of 5,430 from Seoul, South Korea, to Le Canada, in a helium-filled balloon (

First transpacific hot-air balloon flightard Branson and Per Lindstrand flew 6,700 mi from Miyakonyo, Japan, t mi Yellowknife, Canada in 47 hrs (1 First man to cross the Pacific Ocean in t

balloon - Ben Abruzzo and team i Double Eagle V (1981) First man to row across the Pacific Oc

Jim Shekdar, English Engineer (2000 First person to row the Pacific solo - Bird (Britain). He set off from San Frar and arrived Great Barrier Reef, Au: 294 days later on June 14. (1983)

First people to reach the deepest point the surface of the earth, the Chalk Deep in the Manana Trench, Pacific Calciums Piccard and Lieutenant Donlon the submanne 'Trieste' (1960)

First people to sight the North Pole

Amundsen and his sponsor Lin

Ilsworth from the airship 'Norge' piloted oy Umberto Nobile (1926)

t people to reach the North Pole - Lt. Col. oseph O. Fletcher and Lt. William P. Benedict landed their plane (1952)

t recorded deaths on Mount Everest - 7 Sherpa porters die in an avalanche. They were part of a British expedition (1922)

t successful conquest of Mount Everest -Tenzing Norgay & Sir Edmund Hillary (New Zealand) via the South-East Ridge Route (1953)

st conquest of Everest via the North Ridge-- Chinese team (1960)

st American to conquer Everest - James Whittaker (1963) st person to conquer Everest twice -

Nawang Gombu Sherpa. Both of his as-

cents were via the South east ridge (1965) st ascent without bottled oxygen - Peter Habeler (Austria) and Reinhold Messner, (Italy) via the South - East Ridge (1978) st couple to conquer together - Andrej & Marija Stremfelj, Slovenia. Marija was also the first Slovenian women to climb Everest

(1990)st Son of a mountaineer to climb Everest - ' Peter Hillary, New Zealand (1990)

rst father and son to climb together -Jean Noel Roche and his son Roche Bertrand aka Zebulon (1990)

rst conquest of Everest by two brothers together - Alberto and Felix Inurrategui (1992) rst Pakistani to conquer the Everest - Nazir Sabir (2000)

irst blind person to conquer Everest - Erik Weihenmayer, USA (2001)

irst person with only one arm to climb the Everest - American Gary Guller (2003)

ist Arab to climb the Everest - Zed Al Refai, Kuwait (2003)

st conquest of Everest via West Ridge Willi Unsoeld and Tom Hornbein. Also the first traverse of the South East Ridge (1963)

st conquest from the South West face -

Dougal Haston and Doug Scott (1975)

First use of rubber gloves in surgery - Dr. William S. Halstead was the first person to use rubber gloves for surgery at Johns Hopkins Hospital (1894)

First international scientific collaboration - Observation of the transit of Venus (1761 and 1769)

First telegraph line in United States - Samuel Morse created first telegraph line in United States, extending from Baltimore to Washington (1844)

The first and only supersonic airliner -Concorde, twice the speed of sound, about 2,170 kph (1969)

First rowing race in the world - Doggett's Coat and Badge begun for Thames watermen (1715)

First practical threshing machine for separating cereal grains from the husks - designed and built by Andrew Meikle, Scottish millwright (1785)

. The first carbon paper - Invented by Ralph Wedgwood, England (1806)

The first mechanical computer was conceived by - Charles Babbage (1835)

First person ever to transmit speech from one point to another by electrical means -Alexander Graham Bell, Scottish scientist and inventor (1876)

First dog show - Organized by Charles Cruft, British dog expert (1886)

First public demonstration of television - John Logie Baird, Scottish electrical engineer gave the first public demonstration of television, transmitting an image of a recognizable human face (1925)

First antibiotic drug - Penicillin, discovered by Alexander Fleming, Scottish bacteriologist (1928)

First algorithm written for a computer - Acia Byron's (Ada Lovelace) notes on the analytical engine of Charles Babbage. She is regarded as the first computer programmer (1842)

First working programmable automatic computer - Z3 (1941)

First programmable electronic computer -Colossus, designed by Tommy Flowers (1943)

First Compact Disc (CD) - Jointly developed by two companies, Sony and Philips (1978)

First commercial release of audio music CD - in Japan (1982)

First usage of a webcam -Trojan room coffee pot (1991)

First Hard Disk - IBM's 305 RAMAC. It has a capacity of about 5 MB (1956)

First sound recording -Thomas Alva Edison's phonograph was the first instrument used for recording sound (1877)

First Atom Bomb -"Little Boy" dropped over

Hiroshima by the US during the second world war (1945)

First submarine
- Built by

Cornelius Drebbel, Dutchinven-

tor and scientist (1620)

First to die in airplane casualty -Thomas E. Selfridge. The casualty occurred when the propeller hit a bracing wire and was broken, throwing the plane out of control, killing Selfridge and seriously injuring Orville Wright (1908)

First successful model glider - Built and flown . by George Cayley (1804)

First airplane flight over half an hour - Orville Wright's plane flown up 33 min., 17 sec (1905)

First European airplane flight - Alberto Santos Dumont, a Brazilian, flew a heavier-than-air machine at Bagatelle Field, Paris (1906)

First cross Channel flight - Louis Blériot flew in a monoplane from Les Baraques, France,

to Dover Castle, England, in a 38 ki ter 37 min. flight across the English nel (1909)

First flight from shipboard - Lt. Euger took a Curtiss plane off from the dthe cruiser Birmingham at Hampton and flew to Norfolk (1910)

First aircraft to take off from water -Fabre in a Gnome powered float-pla Martigues, France (1910)

First multi engined aircraft - Built and by Igor Ivan Sikorsky while still in h tive Russia (1913)

First aerial combat - Allied and German and observers started shooting at other with pistols and rifles (1914)

First nonstop transatlantic flight - Capt. Alcock and Lt. Arthur Whitten Brown ish World War I flyers, made the 1 mile trip from St. John's, Newfounc to Clifden, Ireland, in 16 hr.,12 min Vickers Vimy bomber (1919)

First nonstop flight around the world out refueling - Dick Rutan and Jeana Y flew around the world in a Voyager Edwards AFB. It covered 24,986.7 m 216 hr., 3 min., 44 sec. (1986)

First nonstop solo tlight around the v without refueling. Steve Fossett fles Virgin Atlantic Globalflyer around world From Salina, Kansas. It cov 22,878 miles in 67 hrs (2005)

First round the world solo flight - Wiley took a Lockheed Vega, Winnie 1 15,596 mi around the world in 7 day hr. (1933)

First round-the-world nonstop flight.- (
James Gallagher and a crew of 13 fl
Boeing B-50A around the world nor
from Ft. Worth, returning to samep
It covered 23,452 miles in 94 hr., 11
with four aerial refuelings en fr
(1949)

First nonstop transcontinental flight.-Lts.

A. Macready and Oakley Kelly flew as

engine Fokker T-2 nonstop from New York to San Diego, a distance of just over 2,500 miles in 26 hr., 50 min (1923)

First solo nonstop transatlantic flight - Charles Lindbergh lifted his Wright-powered Ryan monoplane, Spirit of St. Louis, from Roosevelt Field, N.Y. to Le Bourget Field outside Paris in 33 hr. 39 min. and travel 3,600 miles (1927)

First transatlantic passenger - Charles A. Levine was piloted by Clarence D. Chamberlin from Roosevelt Field, N.Y., to Eisleben, Germany, in a Wright-powered Bellanca (1927)

First transarctic flight - Sir Hubert Wilkins, an Australian explorer, and Carl Ben Eielson, who served as pilot, flew from Point Barrow, Alaska, to Spitsbergen (1928)

First South Pole flight .- Comdr. Richard E. Byrd with Bernt Balchen as pilot, Harold I. June, radio operator, and Capt. A. C. McKinley, photographer, flew a trimotor Fokker from the Bay of Whales, Little America, over the South Pole and back (1929)

First Paris-New York nonstop flight -Dieudonné Costes and Maurice Bellonte, French pilots, flew a Hispano-powered Brequet biplane from Le Bourget Field to Valley Stream, L.I., in 37 hr., 18 min. (1930)

First flight into the stratosphere - Auguste Piccard, a Swiss physicist, and Charles Knipfer ascended in a balloon from Augsburg, Germany, and reached a height of 51,793 ft in a 17-hrs flight (1931)

First nonstop transpacific flight.- Hugh Herndon and Clyde Pangborn took off from Sabishiro Beach, Japan, and flew 4,860 mi to Wenatchee, Wash., in 41 hr. 13 min. (1931)

First successful helicopter flight-Hanna Reitsch, a German pilot, flew Dr. Heinrich Focke's FW-61 in free, fully controlled flight at Bremen. Ms. Reitsch was also the first woman civil and military aviation test pilot. (1937)

First transatlantic helicopter flight - Capt. Vincent H. McGovern and 1st Lt. Harold W. Moore piloted two Sikorsky H-19s from Westover, Mass., to Prestwick, Scotland. This 3,410 miles rip was made in five stops, with a flying time of 42 hr., 25 min. (1952)

First rocket-engine flight - Fritz von Opel, a German auto maker, stayed aloft in his small rocket-powered craft for 75 sec. covering nearly 2 miles (1928)

First rocket propelled by liquid fuel - Robert Hutchins Goddard launches the first rocket propelled by liquid fuel in Massachusetts. It flew for 2.5 seconds, at 12 metres per second - an average speed of 100 kilometres per hour (1926)

First artificial satellite launched into orbit -Sputnik 1, USSR (1957)

First artificial satellite by the United States -Explorer 1 (1958)

First manned space vehicle - Vostok 1, USSR (1961)

First international co-operative space flight -A US Apollo spacecraft docks with a Soviet Soyuz spacecraft while in Earth orbit. The two flight crews visited each other's spacecraft and had meals together (1975)

First US astronaut to orbit earth -John Glenn (1962)

First manned private spaceflight - 'Space 5hipOne' piloted by Mike Melvill (2004) First fully controlled soft landing on moon -Surveyor 1 (1966)

First spacecraft to orbit Saturn - Cassini-Huygens (2004)

First living creature to orbit the earth - Laika, the dog, aboard the Soviet satellite, Sputnik 2. Laika was asphyxiated after a week in orbit. Her cabin burned up on re-entry to the earth's atmosphere (1957)

First man in space - Yuri Gagarin of USSR. He is the first human to orbit Earth (1961)

First Indian in space - Rakesh Sharma aboard Salyut 7 (1984)

First American in space - Alan B Shepherd (1961)

First human to walk on the Moon - Neil Armstrong, Apollo 11 (1969)

First human to walk in space - Alexei Arkhovich Leonov (1965)

First American to walk in space - Edward Higgins White, Jr. (1965)

First commercial communications satellite -Early Bird, built for the communications satellite corporation (COMSAT) (1965)

First satellite designed to transmit television and high speed data communications -Telstar (1962)

First communications satellite in geosynchronous orbit - Syncom (1963)

First Metal Bridge - Built in the Chinese industrial centre of Jing De Jen, then called Fo Liamg Hsien (1100 AD)

First public passenger railway to carry steam

trains - Built by George Stephenson in E gland - the Stockton and Darlington line using his engine Locomotion (1825)

First true Bicycle (treadle-propelled) - d signed by the Scottish blacksmit Kirkpatrick MacMillan (1839)

World's first underground railway powere by steam - In London (1863)

The first electric underground railway -London (1890)

First city in India to have electricity - Banga lore. It is the first city in Asia to have eletricity. It was powered by the hydro eletric plant situated in Shivanasamudi (1906)

World's first traffic lights - The gas lamps In stalled in London (1868)

First automatic traffic light was invented b Garrett Morgan and first used in Cleveland Ohio, USA (1920)

Compiled by: V. Vijayakuma

માન્યાપ્ટનાનિ જાનિવાસિક્ટની વિદેશના પ્રાપ્ય

Accra	ant
Addis Ababa	new flower
Alaska	great land
Annapuma	abundant food
Australia	southern land
Baghdad	gift of God
Bethlehem	house of bread
Bihar	monastery
Canada	•
Ceylon	camp lion
Copenhagen	
	merchant's port
Costa Rica	rich coast
Dar es Salaam	house of peace
Dublin	black pool
Gangtok	hill summit
Hawaii	place of the gods
	i a sa sa sa sa sa sa sa sa sa sa sa sa s

Kanchenjunga	 five treasures of
	the snow
Kuala Lumpur	mouth of the muddy river
Myanmar	the strong
Nepal	fly down
Pacific	_ calm
Sierra Leone	lion mountains
Singapore	lion house
Sri Lanka	island of the blessed
Srinagar	city of happiness
Sudan	land of the blacks
Tel Aviv	hill spring
Texas	friends
Thailand	free people
Tripoli	three towns
Zimbabwe	house of stones

वासवर्ग / स्वतिक्रियवर्ग विवास

		Persons	Urban Agglomer	ation
o Name of the City/Town	State/Union territories	Total	Name	Persons
Greater Mumbai (M Corp	Maharashtra	11978450	Greater Mumbai UA	
! Delhi Municipal Corporation	Delhi	9879172		12877470
3 Kolkata (M Corp.)	West Bengal	4572876		13205697
1 Chennai (M Corp.)	Tamil Nadu	4343645	Chennai UA	6560242
5 Bangalore (M Corp.)	Kamataka	4301326	8angalore UA	5701446
5 Hyderabad (M Corp.)	Andhra Pradesh	3637483		5742036
7 Ahmadabad (M Corp.)	Gujarat	3520085		4525013
8 Kanpur (M Corp.)	Uttar Pradesh	2551337	Kanpur UA	2715555
9 Pune (M Corp.)	Maharashtra	2538473	Pune UA	3760636
0 Surat (M Corp.)	Gujarat	2433835	Surat UA	2811614
1 Jaipur (M Corp.)	Rajasthan	2322575		
2 Lucknow (M Corp.)	Uttar Pradesh	2185927	Lucknow UA	2245509
3 Nagpur (M Corp.)	Maharashtra	2052066	Nagpur UA	2129500
4 Indore (M Corp.)	Madhya Pradesh	1474968	Indore UA	1516918
5 Bhopal (M Corp.)	Madhya Pradesh	1437354	8hopal UA	1458416
6 Ludhiana (M Corp.)	Punjab	1398467	 	
7 Patna (M Corp.)	8ihar	1366444	Patna UA	1697976
8 (Vadodara (M Corp.)	Gujarat	1306227	Vadodara UA	1491045
9 Agra (M Corp.)	Uttar Pradesh	1275134		1331339
10 Thane (M Corp.)	Maharashtra	1262551		
21 Kalyan-Dombivli (M Corp.)	Maharashtra	1193512	 	
22 Varanasi (M Corp.)	Uttar Pradesh		Varanasi UA	1203961
23 Nashik (M Corp.)	Maharashtra	1077236	I	1152326
24 Meerut (M Corp.)	Uttar Pradesh	1068772		1161716
25 Faridabad (M Corp.)	Haryana	1055938		
26 Pimpn Chinchwad (M Corp.)	Maharashtra	1012472		
27 Haora (M Corp)	West Bengal	1007532	 	
28 Visakhapatnam (M Corp.)	Andhra Pradesh		Visakhapatnam UA	1345938
29 Allahabad (M Corp.)	Uttar Pradesh	975393		1042779
30 (Ghaziabad (M Corp.)	Uttar Pradesh	968256		
31 Rajkot (M Corp.)	Gujarat	967476	1	1003015
32 Amntsar (M Corp.)	Punjab		Amnitsar UA	1003517
33 Jabalpur (M Corp.)	Madhya Pradesh		Jabalpur UA	1098000
34 Combatore (M.Corp.)	Tamil Nadu		Coimbatore VA	*45**39
35 Madurai (M Corp.)	Tamil Nadu		Madurai UA	203095
36 Srinagar (MC)	Jammu and Kashmir			
37 Aurangabad (M Corp.)	Maharashtra		Aurangacac A	392481
38 Solapur (M Corp.)	Maharashtra	872478	74.0 9.000 5	
39 (Vijayawada (M Corp.)	Andhra Pradesh	851282		-
40 Jodhpur (M Corp.)	Rajasthan		ccrcur's	36525 3
41 Ranchi (M Corp.)	Jharkhand		المدر الما الما	11.245
42 Gwalior (M Corp.)	Madhya Pradesh		Cwaller Li	265543
43 Guwahati (M Corp.)	Assam		Chinarati Lah	2 8350
44 Chandigarh (M Corp.)	Chandigarh	858515	3373 33	
45 Hubli-Dharwad (M Corp.)	Karnataka	726195		
46 Mysore (M Corp.)	Karnataka	755379	durera 1	14111
47 Tiruchirappalli (M Corp.)	Tamil Nadu		rasivacealli is	200354
48 Thiruvananthapuram (M Corp.)	Kerala		Farattapsa .	2206:5
49 Bareilly (M Corp.)	Uttar Pradesh	712395 2		744:53
	I Ottal Flacesi	1/65/1 50	1.117	

50 Jalandhar (M Corp.)	Punjab		Jalandhar UA	714077
51 Navi Mumbai (M Corp.)	Maharashtra	704002		
52 Salem (M Corp.)	Tamil Nadu		Salem UA	751438
53 Kota (M Corp.)	Rajasthan	694316	Kota UA	703150
54 Aligarh (M Corp.)	Uttar Pradesh	669087		
55 Bhubaneswar (M Corp.)	Onssa	648032	Bhubaneswar UA	658220
56 Moradabad (M Corp.)	Uttar Pradesh	641583		L
57 Gorakhpur (M Corp.)	Uttar Pradesh	622701		
58 Raipur (M Corp.)	Chhatisgarh	605747	Raipur UA	700113
59 Bhiwandi (M CI)	Maharashtra	598741	8hiwandi UA	621427
60 Kochi (M Corp.)*	Kerala	595575	Kochi UA	1355972
61 Jamshedpur (NA)	Jharkhand	573096		
62 Shilai Nagar (M Corp.)	Chhausgarh	556366		
63 Amravati (M Corp.)	Maharashtra	549510		
64 Cuttack (M Corp.)	Orissa	534654	Cuttack UA	587182
65 Warangal (M Corp.)	Andhra Pradesh	530636	Warangal UA	579216
66 Bikaner (M CI)	Rajasthan	529690		
67 Mira-Bhayandar (M CI)	Maharashtra	520388		
	Andhra Pradesh	514461		
68 Guntur (M Corp.)	Gujarat	511085	8havnagar UA	517708
69 Bhavnagar (M Corp.)	West Bengal	493405	Onavriaga: OA	317700
70 Durgapur (M Corp.)		493167	Kolhapur UA	505541
71 Kolhapur (M Corp.)	Maharashtra		Komapui OA	303341
72 Ajmer (M Cl)	Rajasthan	485575		ļ
73 Asansol (M Corp.)	West Bengal	475439		
74 Ulhasnagar (M Corp.)	Maharashtra	473731		
75 Siliguri (M Corp.)	West Bengal	472374		
76 Saharanpur (MB)	Uttar Pradesh	455754		
77 Jamnagar (M Corp.)	Gujarat		Jamnagar UA	556956
78 Bhatpara (M)	West Bengal	442385		
79 Sangli-Miraj Kupwad (M Corp.)	Maharashtra	436781	Sangli-Miraj Kupwad UA	447774
80 Kozhikode (M Corp.)	Kerala	436556	Kozhikode UA	BB0247
81 Nanded-Waghala (M Corp.)	Maharashtra	430733		
82 Ujjain (M Corp.)	Madhya Pradesh	430427	Ujjain UA	431162
83 Dehradun (M.Corp)	Uttaranchal	426674	Dehradun UA	530263
84 Gulbarga (M Corp.)	Kamataka	422569	Gulbarga UA	430265
85 (Tirunelveli (M.Corp.)	Tamil Nadu	411831	Tirunelveli UA	433352
86 Malegaon (M CI)	Maharashtra	409403		
87 Akola (M CI)	Maharashtra	400520		-
88 Belgaum (M Corp.)	Karnataka		Belgaum UA	506480
89 Mangalore (M Corp.)	Kamataka	399565	Mangalore UA	539387
90 Bokaro Steel City (CT)	lharkhand	393805	Bokaro Steel City UA	497780
91 South Dum Dum (M)	West Bengal	392444	DORAGO SICCI CITY OF	-
92 Udaipur (M CI)	Rajasthan	389438		-
93 Gaya (M Corp.)	Bihar	385432	Gaya UA	394945
94 Maheshtala (M)	West Bengal	385266	- CO) W O/1	
95 Jhansi (MB)	Uttar Pradesh	383644	Ihansi UA	460278
96 Nellore (M)	Andhra Pradesh	378428	Nellore UA	404775
97 Jammu (MC)				612163
98 Jalgaon (M CI)	Jammu and Kashm Maharashtra	r 369959 368618	Jammu UA	012103
99 Davanagere (CMC)				
100 Kollam (M Corp.)	Kamataka	364523	<u> </u>	380091
101 Panihati (M)	Kerala		Kollam UA	1 200091
102 Tiruppur (M)	West Bengal	348438		550934
103 Dhule (M CI)	Tamil Nadu	344543	Tiruppur UA	550826
	Maharashtra	341755		200222
104 , Bhagalpur (M Corp.)	Bihar		Bhagalpur UA	350133
10S Rajpur Sonarpur (M)	West Bengal	336707		
106 Thrissur (M Corp.)	Kerala	317526	Thrissur UA	330122
107 Bellary (CMC)	Kamataka	316766		
108 Muzallamagar (M8)	Uttar Pradesh	316729	Muzaifarnagar UA	331668
				1
109 Korba (M Corp.)* 110 Rajahmundry (M Corp.)	Chhatisgarh Andhra Pradesh	315690 315251	Rajahmundry UA	413616

l		W-+ P	314507		
	Kamarhati (M)	West Bengal Tamil Nadu	314307		
	Ambattur (M)	Orissa	307792		
13	Brahmapur (M)	Maharashtra	307615	Ahmadnagar UA	347549
14	Ahmadnagar (M Cl)	Bihar	305525		
	Muzaffarpur (M Corp.)	Uttar Pradesh	305058		
	Noida (CT)	Punjab		Patiala UA	323884
17	Patiala (M Corp.)	Uttar Pradesh		Mathura UA	323315
18	Mathura (MB) New Delhi Municipal Council	Delhi	302363		
		Maharashtra	299985		
20	Latur (M CI)	Uttar Pradesh		Shahjahanpur UA	321885
	Shahjahanpur (MB)	Andhra Pradesh	296329	Kakinada UA	376861
	Kakinada (M)	Andhra Pradesh	292289		
	Kukatpally (M) Kulti (M)	West Bengal	289903		
	Chandrapur (M CI)	Maharashtra	289450		
	Nizamabad (M)	Andhra Pradesh	288722		
	Rohtak (M CI)	Haryana	286807	Rohtak UA	294577
	Barddhaman (M)	West Bengal	285602		
	Rampur (MB)	Uttar Pradesh	281494		
	Bhilwara (MCI)	Rajasthan	280128		1000000
	Firozabad (MB)	Uttar Pradesh	279102	Firozabad UA	432866
	Bilaspur (M Corp.)*	Chhatisgarh	275694		335293
	Shimoga (CMC)	Karnataka	274352	 	E
	Rajarhat Gopalpur (M)	West Bengal	271811		1000
	Kurnool (M Corp.)	Andhra Pradesh	269122	Kurnool UA	342973
	Lal Bahadur Nagar (M)	Andhra Pradesh	268689		-,
	Darbhanga (M Corp.)	Bihar	267348	<u> </u>	
	Dasarahalli (CMC)	Karnataka	264940	ļ	
	Panipat (M CI)	Haryana	261740	Panipat UA	354148
	Bally (M)	West Bengal	260906		
	Alwar (M CI)	Rajasthan	260593	Alwar UA	266203
	Parbhani (M Ci)	Maharashtra	259329		
	Gajuwaka (M)	Andhra Pradesh	259180		
	Ichalkaranji (M CI)	Maharashtra	257610	Ichalkaranji UA	285860
	Hisar (M Cl)	Haryana	256689	Hisar UA	263186
146	Baranagar (M)	West Bengal	250768		
147	Turnkur (CMC)	Karnataka	248929		
148	Ramagundam (M)	Andhra Pradesh	236600	Ramagundam UA	237686
149	Jalna (M CI)	Maharashtra	235795		
	Durg (M Corp.)	Chhatisgarh	232517		1
151	Sagar (M Corp.)	Madhya Pradesh	232133	Sagar UA	308922
	2 Bihar (M)	Bihar	232071		
	Dewas (M Corp.)	Madhya Pradesh	231672		
	Barasat (M)	West Bengal	231521		
	5 Qutubullapur (M)	Andhra Pradesh	231108		
	6 Avadi (M)	Tamil Nadu	229403		
	7 Farrukhabad-cum-Fatehgarh (MB)	Uttar Pradesh	228333	Fandrabad-cum-Fatergam (A 242997
15	8 Aizawi (NT)	Mizoram	228280		
15	9 Tirupati (M)	Andhra Pradesh		Tirupati UA	303521
	0 Bijapur (CMC)	Kamataka		Bijapur UA	253251
16	1 Satna (M Corp.)	Madhya Pradesh	225464	Satna UA	229357
	2 Raurkela (N1)	Orissa		Raurkela UA	434374
	3 Ratlam (M Corp.) 4 Imphal (M CI)	Madhya Pradesh		Ratiam UA	234419
	5 Pondicherry (M)	Manipur	221492		
17	66 North Dum Dum (M)	Pondicherry		Pondictery LiA	505959
	7 Anantapur (M)	West Bengal	22CC-12		
	8 Ozhukarai (M)	Andhra Pradesh		rantatur UA	243143
	99 Bathinda (M CI)	Pondicherry	217707		
	70 Thoothukkudi (M)	Punjab	217256		242416
	71 Thanjayur (M)	Tamil Nadu		CCULLKALCI UA	243415
L	1	Tamil Nadu	215374		
		·			•

Jharkhand

West 8engal

166125

165212 Raiganj UA

175047

232 Raiganj (M)

	Amroha (MB)	Uttar Pradesh	165129	· · · · · · · · · · · · · · · · · · ·	1
234	Sultan Pur Majra (CT)	Delhi	164426		 -
235	Hospet (CMC)	Karnataka	164240		
	Bidhan Nagar (M)	West Bengal	164221		-i
37	Chandannagar (M Corp)	West Bengal	162187		+
	English Bazar (M)	West Bengal		English Bazar UA	224415
39	Sirsa (M Cl)	Haryana	160735	l l	1 22 44.5
40	Bhadravati (CMC)	Kamataka	160662	 	-}
	Baharampur (M)	West Bengal		Baharampur UA	170322
	Jaunpur (MB)	Uttar Pradesh	160055	Danistanipal OA	170322
243		Andhra Pradesh		Khammam UA	19B620
	Kapra (M)	Andhra Pradesh	159002	Total I Total	178020
45	Cuddalore (M)	Tamil Nadu	15B634		
	Pathankot (M CI)	Punjab		Pathankot UA	169496
	Pun (M)	Orissa	157B37	radianko(OA	168485
	Adoni (M)	Andhra Pradesh		Adoni UA	163465
	Surendranagar Dudhrei (M)		157305	Adoni UA	16245B
		Gujarat	156161	 	
	Madhyamgram (M)	West Bengal	155451	<u> </u>	
	Gadag-Betigen (CMC)	Kamataka	1549B2		
	Kiran Suleman Nagar (CT)	Delhi	154633		_
	Tenali (M)	Andhra Pradesh	153756		
	Bhind (M)	Madhya Pradesh	153752		
	Sambalpur (M)	Orissa	153643	Sambalpur UA	226469
	Senlingampally (M)	Andhra Pradesh	153364		
257	Kancheepuram (M)	Tamil Nadu	153140	Kancheepuram UA	18B733
	Nandyal (M)	Andhra Pradesh	152676		157120
	Chittoor (M)	Andhra Pradesh	152654		
	Bhalswa Jahangir Pur (CT)	Delhi	152339		
	Fatehpur (MB)	Uttar Pradesh	152078	 	
	Sitapur (MB)	Uttar Pradesh	151908		
	Gandhidham (M)	Gujarat	151693	····	
	Morena (M)	Madhya Pradesh	150959	 	
		Delhi	150948		
	Nangloi Jat (CT) Erode (M)	Tamil Nadu	150541		
200 327	Constant			Ongole UA	153829
20/	Ongole (M)	Andhra Pradesh	150471	Origine OA	133629
	Uttarpara Kotrung (M)	West Bengal	150363		
	Proddatur (M)	Andhra Pradesh	150309		-
	Proddatur (M)	Andhra Pradesh	150309		
	Medinipur (M)	West Bengal	149769	ļ <u>.</u>	
272	Hoshiarpur (M Cl)	Punjab	14966B		_}
273	Karawal Nagar (CT)	Delhi	148624		_
	Bharuch (M)	Gujarat	148140		
275	Budaun (MB)	Uttar Pradesh	148029		
276	Shivpun (M)	Madhya Pradesh	146892		
277	Alandur (M)	Tamil Nadu	1462B7]	
27B	Morvi (M)	Gujarat	145719		
279	Faizabad (MB)	Uttar Pradesh	144705	i	
280	Unnao (MB)	Uttar Pradesh	144662		
2B1	Pallavaram (M)	Tamil Nadu	144623		-1
2B2	Barrackpur (M)	West Bengal	144391		$\overline{}$
283	Rajnandgaon (M Corp.)	Chhatisgarh	143770		
284	Rajendranagar (M)	Andhra Pradesh	143240	 	
284	Shimla (M Corp.)	Himachal Pradesh	142555	Shimla UA	144975
286	Silchar (MB)		142199	CHANGE OF C	-
787	Robertson Pet (CMC)	Assam Kamataka	141424	-	+
200	Veraval (M)			 	-
	veravar (M)	Gujarat	141357		+
201		Haryana	140925		
2B9	Panchkula Urban Estate (EO)				
2B9	Kumbakonam (M)	Tamil Nadu	139954		
289 290 291	Kumbakonam (M) Orai (MB)	Uttar Pradesh	139318		
289 290 291 291	Kumbakonam (M)		139318 139279	Knshnanagar UA	148709

294	Santipur (M)	West Bengal	138235		
295	Bid (M CI)	Maharashtra	138196		
296	Tambaram (M)	Tamil Nadu	137933		
297	Bhimavaram (M)	Andhra Pradesh		Bhimavaram UA	142064
298	Guna (M)	Madhya Pradesh	137175		
299	Jind (M CI)	Haryana	135855		
300	Mahadevapura (CMC)	Karnataka	135794		
	Balurghat (M)	West Bengal		Balurghat UA	143321
302	Tank (M CI)	Rajasthan	135689		

Source Census of India 2001

Compiled By: Samuel O, Portivazhy

Abbreviations Used

C.B.	Cantonment Board/Cantonment	M.Corp.	Municipal Corporation	n/Corpora-
C.M.C	City Municipal Council	tion	,	
E,O	Estate Olfice	N.A.	Notified Area	
1.T.S.	Industrial Township	N.A.C	Notified Area Committ	tee/Natified
M	Municipality	Area Cour		
M,B,	Municipal Board	N.T	Notified Town	•
M.C	Municipal Committee	C.T	Census Town	
M.Cl	Municipal Council	U.A	Urban Agglomeration	

Urban Areas

The unit of classification is 'town' for urban areas. In the Census of India 2001, the definition of urban area adopted is as follows: (a) All statutory places with a municipality, corporation, cantonment board or notified town area committee, etc. (b) A place satisfying the following three criteria simultaneously:

i) a minimum population of 5,000;

ii) at least 75 per cent of male working population engaged in nonagricultural pursuits; and

iii) a density of population of at least 400 per sq. km. (1,000 per sq. mile).

Urban Agglomeration

An Urban Agglomeration is a continuous urban spread constituting a town and its adjoining urban outgrowths (OGs) or two or more physically contiguous towns together and any adjoining urban outgrowths of such towns. Examples of OGs are railway colonies, university campuses, port areas, etc., that may come up near a city or statutory town outside its statutory limits but within the revenue limits of a village or villages contiguous to the town or city. Each such individual area by itself may not satisfy the minimum population limit to qualify it to be treated as an independent urban unit but may deserve to be clubbed

For the purpose of delineation of Urban Agglomerations during Census of India 2001, following cnteria are taken as pre-requisites: (a) The core town or at least one of the constituent towns of an urban agglomeration should necessarily be a statutory town; and (b) The total population of all the constituents (i.e. towns and outgrowths) of an Urban Agglomeration should not be less than 20,000 (as per the 1991 Census). With these two basic criteria having been met, the following are the possible different situations in which Urban Agglomerations would be constituted: (i) a city or town with one or more contiguous outgrowths; (ii) two or more adjoining towns with their outgrowths; and (iii) a city and one or more adjoining towns with their outgrowths all of which form a continuous spread.

City

Towns with population of 1,00,000 and above are called cities

Household

A 'household' is usually a group of persons who normally live together and take their meals from a common kitchen unless the exigencies of work prevent any of them from doing so. Persons in a household may be related or unrelated or a mix of both. However, if a group of unrelated persons live in a census house but do not take their meals from the common kitchen, then they are not constituent of a common household. Each such person was to be treated as a separate household. The important link in finding out whether it was a household or not was a common kitchen. There may be one member households, two member households or multi-member households.

Source: Census of India 2001 Compiled By: Samuel. O, Poruvazhy

ાવેલાં ક્યારિયા વિશેષા દિવસ્થય એવા સ્થાપ

Who	Where	By Whom	When
William McKinley, US President	Baffalo, N. York	Leon Czolgosz	06-09-1901
Rasputin, Russian Monk	Russia	A group of noblemen	31-12-1916
Francis Ferdinand, Archduke of Austria-Hungary	Sarajevo	Gavrito Princip	28-06-1914
Mahatma Gandhi, India's 'Father of the Nation'	Delhi	Nathuram Godse	30-01-1948
Abdullah ibn-Hussein King of Jordan	Jerusalem	Young Palestinian Arab	20-07-1951
Patrice Lumumba, Former premier of Zaire	Katanga Province	Probably by followers of President J. Kasavubu	17-01-1961
Ngo Dinh Diem South Vietnam President	Saigon	A military coup	02-11-1963
John F. Kennedy, US President	Dallas, Tex	Lee Harvey Oswald	22-11-1963
Robert F. Kennedy, US Senator and Presidential Candidate	Los Angeles, Calif	Sirhan-Sirhan	05-06-1968
Indira Gandhi, Indian PM	Delhi	Sikh bodyguards	31-10-1984
Rajiv Gandhi, Former Prime Minister of India	Near Madras	Suspected LTTE suicide bomber	21-05-1991
King Birendra, Queen Aiswarya and 7 other royals Kal	thmandu Crown Pr	ince Dipendra	01-06-2001

wei/ibineli/Osemd/i

names over the years.	• •
New Names	Old Name
ASOM	A

BANJUL

BEIJING

Countries and Cities have changed their

Bathurst Peking

BELIZE BENIN

BOTSWANA

British Honduras **Dahomey**

BURKINA FASO CAMBODIA CHENNAI

Bechuanaland Upper Volta Kampuchea; Khmer

Madras

Manorama Yearbook 2007

114 GENERAL KNOWLEDGE

ONGO	Zaire
)JIBOUTI	French Somaliland,
Frei	nch Territory of Afars & Issas
THIOPIA:	Abyssinia
SHANA	Gold Coast
SUYANA	British Guiana
HANOI 1	Kecho
HARARE	Salisbury
40 CHI MINH C	ITY Saigon
NDONESIA	Dutch East Indies
	(Netherlands East Indies)
RAN	Persia
IRAQ	Mesopotamia
ISTANBUL	Constantinople, Byzantium
JAKARTA	Batavia
KINSHASA	Leopoldville
KOLKATA	Calcutta
LAOS	Lanxang
LESOTHO	Basutoland
MALAWI	Nyasaland
MALABO	Santa Isable
	(Cap.of Equa-Guinea)
MUMBAI	Bombay
MYANMAR	Burma
NAMIBIA	South West Africa
NAURU	Pleasant Island
OSFO	Christiana
PUDUCHERRY	Pondicherry
SRI LANKA	· Ceylon
STALINGRAD	Volgograd
SLPETERSBURG	Leningrad

TAIWAN	Formosa
TASMANIA	Van Diemen's Land
THAILAND	Siam
TOGO	Togoland
TUVALU	The Ellice Islands
VANUATU	The New Hebrides
YANGON	Rangoon
ZAMBIA	Northern Rhodesia
ZIMBABWE	Southern Rhodesia

Country	Sym	bols
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	2,111111111
Country	Symbol
India	Royal Bengal tiger
Canada	Maple leaf
USA	Bald eagle
Colombia	Orchid
Spain	Red carnation
Russia	Brown bear
	Cherry blossom
Denmark	Beech tree
South Africa	Blue crane
Greece	Olive branch
China	Dragon
Argentina	Ceibo (flower)
Bulgaria	Lion
England	Rose
Wales	Leek, dragon
Scotland	Thistle
Turkey	Tulip
Australia	Golden wattle flower
Ireland	Shamrock

जुन्त्राधारात्वर

SURINAME

Places

Dutch Guyana

'orld's Breadbasket	Prairies of N. America
'orld's Loneliest Island	
Person	าร
phiquet	Name
di Kavi	Valmeeki
ına	C.N. Annadurai
ndshah Khan/Frontier Gandhi	Abdul Ghaffar Khan
ard of Avon	William Shakespeare
ord of Twickenham	Alexander Pope
eenabandhu	
eshbandhu	C.R. Das
esert Fox	Gen. Erwin Rommel
e Dwight	David Eisenhower
hrer	Adolf Hitler
Duce	
² ., Loknayak	-
unupiveunive	
idy with the Lamp Florence	_
okamanya	- -
lahamana	
fahatma	
faid of Orleans	loan of Arc
fan of Blood and Iron	Bismarck
letaji	Subhas Chandra Bose
anditji	
laid-e-Azam	
ajaji or 'CR'	
aint of the Gutters	
he Cincinnatus of the Americans	George Washington
The second secon	
भीरितिकास्त्र	
ather of Greek Tragedy	Aeschvlus
ather of Comedy	Aristophanes
ather of Australia	Sir Edmund Barton
Ither of the Telephone	Alexander Graham Bell

Plusin Rover Abroad

No Name

		Country	1041	1 030
1.	Mahendra Chaudhary	Fiji	1999	Prime Minister
2.	C.V. Devan Nair	Singapore	1981	President
3.	S.R. Nathan	Singapore	1999	President
4.	Mahathir Mohammed	Malaysia	1981	Prime Minister
s.	Cheddi Jagan	Guyana	1953	Prime Minister
			1992	President
6.	Bharat Jagdeo	Guyana	1999	President
7.	Sir Shivsagar Ramgoolam	Mauritius	1988	Prime Allness
8.	Naveen Chandra Ramgoolam	Mauritius	1995	Prime Winker
9.	Annerood Jugnauth	Mauritius	1882	Pare Vinser
10.	rearesering rangedoo	Mauritius	1992	್ರಹಾಡು
11.	Gasanti Officili	Mauritius	1992	1.8318LL
12.	11001 110330110111	Trinidad & Tobago	1983	3,500
	Basudev Pande	Trinidad & Tobago	1,005	Same variable
14.	tares trilection?Cl	Suriname	- 25.22	3505
IS.	Krishnaprasad Bhattarai	Nepal	-32;	
16.	Manmohan Adhikarı	Nepal		

Year

Post

Country

aftiorik

nobia is the unreason, unrealistic and
essive fear to a particular
ct, objects or situation.
uophobia: darkness
phobia: heights
aphobia: open spaces
ophobia: cats
rophobia: men
hnophobia: spiders
umophobia: numbers

hiphobia: failure

phobia: ugliness

inophobia: cancer

phobia: gold

ceraunophobia: thunder chaetophobia: hair chrometophobia: money cibophobia: food claustrophobia: confined spaces dentophobia: dentists dipsophobia: drinking domatophobia: houses electrophobia: electricity enochlophobia: fever gerascophobia: growing old heliophobia: the sun hydrophobia: water

kenophobia: empty spaces lachanophobia: vegetables methyphobia: alcohol motorphobia: automobiles noctiphobia: night nosocomephobia: hospitals ombrophobia: rain ophidiophobia: snakes pharmacophobia: medicines plutophobia: wealth trypanophobia: injections venustraphobia: beautiful women xenophobia: strangers zoophobia: animals

अच्छा विचलतिवा

January

Cuba, Liberation Day; Palestine, Revoon Day; Sudan* 4. Myanmar, Indepence Day, 15. Croatia, Statehood Day (Celation in India), 24. Togo* (celebrated on pary 13), 26. Australia, Australia Day; In-Republic Day, 31. Nauru, National Day.

February

. Sri Lanka, Independence Commemora-Day (6) New Zealand, New Zealand Day, irenada* 11. Iran, Victory of Islamic Revoon in Iran, 16. Lithuania* Korea, DPR, Birthday of Great Leader Com. Kim Jong II, 23. Brunei Darussalam* 24. Estonia* 25. Kuwait* 27. S.A.D.R, Proclamation of S.A.D.R.

March

3. Bulgaria/Morocco* 6. Ghana* 12. Mauritius* 15. Italy* (Celebration in India),17. Ireland, 5t.Patrick's Day, 20. Tunisia* 21. Namibia* 23. Pakistan* 25. Greece, Independence Day, 26. Bangladesh*.

April

 Senegal* 15. DPR Korea, Kim II Sung's Birthday, 16. Denmark, Birthday of H.M. The Queen, 17. Syria* 18. Zimbabwe* 21. U.K., Queen's Birthday(Celebration in India), 26. Tanzania* 27. South Africa Freedom Day; Yugoslavia, Constitution Day, 28. Afghanistan, Anniversary of the Victory of Jehad, 30. Netherlands, Queen's Birthday.

May

3. Poland, Anniversary of 1791 Constitution of Poland, 9. European Commission, Europe Day, 10. Israel* 17. Norway, Constitution Day, 22. Yemen* 25. Argentina* Jordan, Independence Day, 28. Ethiopia* 30. Croatia, Statehood Day

June

2. Italy* 6. Sweden* 10. Portugai* 11. U.K, Queen's Official Birthday, 12. Philippines, Proclamation Independence of Philippine; Russia, Independence Day, 14. Seycheiles* 17. iceland* 23. Luxembourg* 30. Congo*.

July

1. Canada, Canada Day; Somalia* 3. Belarus, independence Day, 4. U.S.A, Independence Day; Rwanda* Venezuela* 6. Comoros* 11. Mongolia, Anniversary of the National Festival NAADAM, 14. France* 17. Iraq, Republic Day, 20. Colombia, Independence Day, 21. Belgium* 23. Egypt* 26. Maldives, Independence Day, 28. Peru, Independence Day

August

 Benin* Foundation of the Swiss Confederation, 5. Burkina Faso, Independence Day, 6. Bolivia* 7. Cote d'Ivoire* 9. Singapore* 10. Ecuador* 15. Republic of Korea/India, Independence Day, 17. Indonesia, Independence Day, 19. Afghanistan, Independence Day, 20. Hungary* 24. Ukraine, Independence Day, 25. Uruquay* 31. Malaysia, Malaysia Day: Kyrghyzstan* Trinidad & Tobago, Independence Day

September

1. Libya/Słovakia* Uzbeki-stan, Independence Day, 2. Vietnam* 3. Qatar* 7. Brazil, independence Day, 9. Democratic People's, Anniversary of the Founding of the; Republic of Korea, Democratic People's Republic of Korea; Tajikistan* 15. Costa Rica/Gam-bia/ Nicaragua* 16. Mexico/Papua New Guinea, Independence Day, 18. Chile, Independence Day, 21. Armenia, Independence Day; Belize/ Malta* 22. Mali* 23. Saudi Arabia*.

October

1. China/Nigeria* Cyprus, Independence Day, 2. Guinea* 3. Germany, Day of German Unity, 9. Uganda, Independence Day, 12. Spain* 21. San Marino* 24. United Nations, UN Day; Zambia* 25. Kazakstan* 26. Austria* 27. Turkmenistan, Independence Day, 28. Czech* 29. Turkey, Anniversary of the Declaration of the Republic

November

1. Algeria* 3. Dominica, Commonwealth of* Panama* 9. Cambodia, Independence Day, 11. Angola, Independence Day, 15. Belgium, King's Day: Palestine, Independence Day, 18. Latvia Oman*19.Monaco* 22.Lebanon* 25. Surinam*.

December

1. Romania* iceland, Independence Day, 2. Laos, Founding of the Lao People's Democratic Republic; United Arab Emirates*, 5. Thailand, Birthday of H.M. the King, 6. Finland, Independence Day, 11 Burkina Faso*, 12. Kenya*, 17. Bhutan* 18. Niger* 23. Japan, Birthday of H.M. the Emperor, 28. Nepal, Birthday of H.M. the King.

*National Day

रीत्त्रसामाणिणावित्तासर्गाभक्तासीवान्द्रसार्वसीव्यक्तिकारी

Name Suhbaataryn Yanjmaa Sinmavo Bandaranaika Indira Gandhi Hilda Gibbs-Bynoe Golda Meir Mana Isabel Peron Elisabeth Domitien	Mongolia Sri Lanka India Grenada Israel Argentina	Year 1953-54	1970-77, 10 Pri 1980-84 Prid	me M The M Go
Lucinda da Costa Gomez Matheeuws Dons Louise Johnson Lydia Gveiler Tejada	Cen. African Rep. Netherlands Antille Bahamas Bolivia	1975-76	Prim Prime Acting Governor	Pre e Mi

बाह्याछ्याताताचाह

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Jagan			Ecuador		Presid	dent		Syria
"Hitler			Guyana		Presic	dent		lapan
Kenneth Kaun	da		Germany		Presid	lent		Lebanon
Hendrick Veny	oerd		Zambia		Chanc	ellor		America
Adrene Poi Cla	rkson		South Afric	a	Preside	ent		Austria
400 5			Canad		Prime N	Minis	ter	Malawi
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France	:	Li		Netherl	and.		The state of the state of	The same of the same of
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Germany Italy	:	Muller		Spaln		:	Ivanov	4
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Country

Argentina

UK/USA

Post

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ઇન્દરો આદિ હિંદી દેવા કોલ્લા કોલ્લા કોલ્લા કોલ્લા ક

Name & (party)1	Term	Age at inaug	Age at Death
Owight D. Elsenhower (R)	1953-1961	62	78
ohn F. Kennedy (D)*	1961-1963	43	46
.yndon B. Johnson (D)	1963-1969	55	64
Richard M. Nixon (R)**	1969-1974	56	81
Gerald R. Ford (R)	1974-1977	61	
immy Carter (D)	1977-1981	52	-
lonald Reagan (R)	1981-1989	69	93
George H.W. Bush (R)	1989-1993	64	•
Villiam J. Clinton (D)	1993-2001	46	-
George W. Bush (R)	2001-	54	-

?-Republican; D-Democratic; *Assassinated in office; *Resigned Aug.9, 1974

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Vinston Churchill (Conservative)	1940-1943
Ilement R Attlee (Labour)	1945-1951
Liement R Attiee (Labour)	1951-1955
Vinston Churchill (Conservative)	1055 1057
Anthony Eden (Conservative)	1955-1957
farold Macmillan (Conservative)	1957-1963
Nec Douglas-Home (Conservative)	1963-1964
Nec Douglas-Home (Conservative)	1964-1970
farold Wilson (Labour)	1070 1071
dward Heath (Conservative)	1970-1774
farold Wilson (Labour)	1974-1976
ames Callaghan (Labour)	1976-1979
ames Callaghan (Labour)	1979-1990
Aargaret Thatcher (Conservative)	1000 10
ohn Major (Conservative)	
ony Blair (Labour)	1997
ony Biair (Labour)	N

वस्यातीर अस्तरिक्

me	Term	Yuri Andropov	1982-4
		Konstantin Chemenko	1984-85
SR		Mikhail Gorbachev	1985-91
neral Secretaries			
f Stalin	1922-53	Russian Federation	
orgiy Malenkov	1953	Presidents	
ita Khrushchev	1953-64	Boris Yeltsin	1991-99
nid Brezhnev	1964-82	Vladimir Putin	1999-
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		Carrage Dannelders	40/07
	Tom	Georges Pompidou	
	Term	Valery Giscard d'Estaing	1974-81
esidents paries de Gaulle	Term 1958-69		1969-74 1974-81 1981-95 1995

ame	Term	Song Qingling	1976-78
residents		Ye Jianying	1978-83
ao Zedong	1949-59	Li Xiannian	1983-88
u Shaoqi	1959-68	YangShangkun	1988-93
ong 8iwu	1968-75	Jiang Zemin	1993-2003
nu De	1975-76	Hu Jintao	2003 -
Member	's' Contribution (pe	er cent) to UN Budget (2004)

USA	U.K. 6.127 France 6.030 China 2.053
	

स्वातिक विकास सम्बद्धान

Aesop Slave	John Boyd DunlopVet
Alex Harvey Lion Tamer	John Mills Toilet Paper Salesman
Alighieri Dante Embassy Official	Jonathan Swift Clergyman
Antoine Laurent Lavoisier Tax Collector	Joseph Goebbels Newspaper Editor
Benjamin Disraeli Novelist	Jules Verne Librettist
Benjamin Franklin Printer	Julius Nyerere Teacher
Cary GrantAcrobat	Lech Walesa Electrician
Casanova Librarian, Spy,Lottery Director	Marcello MastroianniDraughtsman
Clement Attlee Lawyer and Social Worker	Nelson Mandela Lawyer
Clint Eastwood Swimming Instructor	Noah Webster Lawyer
Desmond Tutu Schoolteacher	Norodom Sihanouk Musician
Emile Zola Journalist	Ronald Regan Actor
George Orwell Policeman	Samuel Morse Artist
Giuseppe Garibaldi . Candlemaker, Privateer	Sir Walter Scott Lawyer
Gregor MendelMonk	Thomas Hardy Architect
Henrik Ibsen Pharmacist	Thomas Malthus Clergyman
Issac Asimov Biochemist	Valentina Tereshkova Cotton Mill worker
James Callaghan Tax Official	Walter De La Mare Oil Company
Jean Genet Professional Criminal	Worker
and Male Prostitute	WG Grace Doctor
Johann von Goethe Fire Chief, Newspaper	William Faulkner Postmaster
Critic and Court Official	William Wordsworth . Stamp Distributor

The Geven Worlders of the World

Seven monuments of the ancient world that appeared on various lists of late antique known as the:

Seven Wonders of the World

- 1. The Colossus of Rhodes
- 2. The Pharos (lighthouse) at Alexandria
- 3. The Hanging Gardens (and Walls) of Babylon
- 4. The temple of Artemis (or Diana エルデー
- 5. The Pyramids of Khufu.
- The tomb of Mausolus at make
- 7. The statue of Zeus at Commi

e tradition of "Sever

nspired succeeding generations to compile countless lists since the Alexandrian era.

Seven Wonders of the Middle Ages 1. The Colosseum of Rome

- 2. The Catacombs of Alexandria
- The Cataconibs of Alexandria
 The Great Wall of China
- 4. Stonehenge
- The Porcelain Tower (or Pagoda) of Nanking, China
- 6. The Leaning Tower of Pisa, Italy .
- Hagia Sophia (or Sancta Sophia) of Constantinople

Seven Natural Wonders of the World

- The Grand Canyon, Colorado River, Arizona
- Rio de Janeiro harbour
- 3. Iguassu Falls, Argentina
- Yosemite Valley and the Giant Sequioas of California
- Mount Everest, on the border of Tibet and Nepal
- The Nile River, Egypt

The Northern Lights, especially from northern Canada and Alaska.

Seven Wonders of Today

- The Great Pyramid of Egypt and the adjacent Great Sphinx of Gizeh
 Hagia Sophia, 6th century, in present-day
- 3. Leaning Tower of Pisa, Italy
- 4. The Taj Mahal of Agra, India
- 5. The Washington Monument, Washington
- The Eiffel Tower, Paris

Istanbul

The Empire State Building, New York city.

Other compilers of 'wonder' lists include the Panama Canal, the Greek Parthenon on the Acropolis at Athens, the medieval Mont-Saint Michel off the coast of France, St. Peter's Church in Rome, and the temples of Nikko National Park in Honshu, Japan. Famous palaces and ruins include the Moorish Alhambra of Granada, Angkor in Cambodia, Mayan ruins like Chichen Itza in Mexican Yacatan, Inca ruins in Peru, and Egypt's Great Temple of Amon in Karnak.

Worlds जिंगिक शिर्वाणिक

Rank	Tower/City	Year	Storeys	Height	
		`	,	(m)	(ft)
1.	Taipei 101, Taipei, Taiwan	2004	101	509	1,670
2.	Petronas Tower 1, Kuala Lumpur, Malaysia	1998	88	452	1,483
3.	Petronas Tower 2, Kuala Lumpur, Malaysia	1998	88	452	1,483
4.	Sears Tower, Chicago	1974	110	442	1,450
5.	Jin Mao Building, Shanghai	1999	88	421	1,380

^{1.} World Trade Center twin towers of New York City ranked fifth and sixth (at 1,368 ft and 1,362 ft) on this list until their destruction on Sept. 11, 2001; 2. A building differs from a tower in that the former is considered to be a structure that is designed for residential, business, or manufacturing purposes. Also, an essential characteristic of a building is that it has floors.

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No. Tower/City	Year	Height	
		(m)	(ft)
Canadian National (CN) Tower, Toronto, Canada	1975	553	1,815
Ostankino Tower, Moscow, Russia	1967	537	1,762
Oriental Pearl Tower, Shanghai, China	1995	468	1,535
Milad Tower, Tehran, Iran	2005	435	1,427
Menara Kuala Lumpur, Kuala Lumpur, Malaysia	1996	421	1,403

धीरात्परारि पाइटिं

28 Wings

29 The Broadway Melody
30 All Quiet on the Western
Front
31 Cimarron, RKO Radio
32 Grand Hote
33 Cavalcade
34 It Happened One Night
35 Mutiny on the Bounty
136 The Great Ziegfeld
37 The Life of Emile Zola
38 You Can't Take It with
You
39 Gone with the Wind
940 Rebecca
941 How Green Was My Valley
942 Mrs. Miniver
943 Casablanca
944 Going My Way
945 The Lost Weekend
946 The Best Years of Our Lives
947 Gentleman's Agree-

ment

1949 All the King's Men
1950 All About Eve
1951 An American in Paris
1952 The Greatest Show on
Earth
1953 From Here to Elemity
1954 On the Waterfront
1955 Marty
1956 Around the World in 80
Days
1957 The Bridge on the River
Kwai
19 5 8 <i>Gigi</i>
1959 Ben-Hur
1960 The Apartment
1961 West Side Story
1962 Lawrence of Arabia
1963 Tom Jones
1964 My Fair Lady
1965 The Sound of Music
1966 A Man for All Seasons
1967 In the Heat of the Night

1948 Hamlet

1968 Oliveri
1969 Midnight Cowboy
1970 Patton
1971 The French Connection
1972 The Godfather
1973 The Sting
1974 The Godfather
1975 One Flew Over the
Cuckoo's Nest
1976 Rocky
1977 Annie Hall
1978 The Deer Hunter
1979 Kramer vs. Kramer
1980 Ordinary People
1981 Chariots of Fire
1982 Gandhi
1983 Terms of Endearment
1984 Amadeus
1985 Out of Africa
1986 Platoon
1987 The Last Emperor
1988 Rain Man
1089 Driving Miss Daisy

Dances With Wolves
TheSilenceof the
Imbs
Unforgiven
Schindler's List
Forrest Gump

1995 Braveheart 1996 The English Patient 1997 Titanic 1998 Shakespeare in Love 1999 American Beauty 2000 Gladiator 2001 A Beautiful Mind
2002 Chicago
2003 The Lord of the
Rings: The Return of
the King
2004 Million Dollar Baby

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Physics

Martin Perl, Frederick Reines, U.S. David M. Lee, Douglas D. Osheroff, Robert C. Richardson, U.S.

Steven Chu, William D. Phillips, U.S.; Claude Cohen-Tannoudji, Fr.

Robert B. Laughlin, Horst L. Stormer, Daniel C. Tsui, U.S.

Gerardus 't Hooft and Martinus J.G. Veltman, Netherlands

Jack S. Kilby, U.S.; Zhores I. Alferov, Russ. Eric A. Cornell, Carl E. Wieman, U.S.; Wolfgang Ketterle, Ger.

Riccardo Giacconi, Rayond Davis Jr. U.S.; Masatoshi Koshiba, Jap.

Alexel A. Abrikosov, US.-Rus.; Vitaly I. Ginz-burg, Rus.; Anthony J. Leggett, U.K.-US.

David J Gross, H. David Politzer, Frank Wilczek (USA)

Roy Glauber, John Hall (both US), and Theodor Haensch (Germany)

Chemistry

Paul Crutzen, Dutch; Mario Molina, Mex.-U.S.

Harold W. Kroto, Br.; Robert F. Curl Jr., Richard E. Smalley, U.S.

Paul D. Boyer, U.S., & John E. Walker, Br.; Jens C. Skou, Dan.

- 1998 Walter Kohn, U.S.; John A. Pople, Br. 1999 Ahmed H. Zewail, U.S.
- 2000 Alan). Heeger, U.S.; Alan G. MacDiarmid, NZ-US.; Hideki Shirakawa, Japan
- 2001 K. Barry Sharpless, U.S.; William S. Knowles, U.S.; Ryoji Noyori, Japan
- 2002 John B. Fenn, U.S., Kurt Wuthrich, Swiss, Koichi Tanaka, Jap.
- 2003 Peter Agre, Roderick Mackinnon, U.S.
- 2004 Aaron Ciechanover, Avram Hershko (both Israel), Irwin Rose (USA)
- 2005 Yves Chauvin (France), Robert H. Grubbs, Richard H. Schrock (both U.S.)

Physiology or Medicine

- 1995 Edward B. Lewis, Eric F. Wieschaus, U.S.; Christiane Nuesslein-Volhard, Ger.
- 1996 Peter C. Doherty, Austral.; Rolf M. Zinkernagel, Swiss
- 1997 Stanley B. Prusiner, U.S.
- 1998 Robert F. Furchgott, Louis J. Ignarro, Ferid Murad, U.S.
- 1999 Gunter Blobel, U.S.
- 2000 Arvid Carlsson, Swed.; Paul Greengard, U.S.; Eric R. Kandel, Aus.-U.S.
- 2001 Leland H. Hartwell, U.S.; R. Timothy (Tim) Hunt, Sir Paul M. Nurse, Br.
- 2002 Sydney Brenner, U.K.; H. Robert

	Howvitz, U.S.; John E. Sulston, U.K.	1999	Doctors Without Borders (Medicins Sans
2003	Paul C. Lauterbur, U.S.; Sir Peter		Frontieres), Fr.
	Mansfield, U.K.	2000	Kim Dae Jung, S.Kor.
2004	Richard Axel and Linda Buck (USA)	2001	UN; Kofi Annan, Ghana
2005	BarryJ. Marshall, Robin Warren (Austral.)	2002	Jimmy Carter, U.S.
		2003	Shirin Ebadi, Iran
•	Literature	2004	Wangari Maathai (kenya)
1995	Seamus Heaney, Ir.	2005	Un International Atomic Energy Agency
	Wislawa Szymborska, Pol.		and its D-G Mohamed El Baradei (Egypt)
	Dario Fo, It.		
	Jose Saramago, Por.		Economics
	Gunter Grass, Ger.	1996	James A. Mirrlees, Br.; William Vickrey,
2000	Gao Xingjian, Chin.		CanU.S.
2001	Sir V.S. Naipaul, Br.	1997	Robert C. Merton, U.S.; Myron S.
2002	Imre Kertesz, Hug.		Scholes, CanU.S.
2003	John Maxwell Coetzee, S.Afr.	199B	Amartya Sen, Indian
2004	Elfriede Jelinek (Austria)	1999	Robert A. Mundell, Can.
2005	Harold Pinter (Br.)		James J. Heckman, Daniel L.McFadden, U.S.
	Donas	2001	George A. Akerlof, A.Michael Spence,
	Peace		Joseph E. Stiglitz, U.S
	Joseph Rotblat, Pol.Br.; Pugwash Conference		Daniel Kahneman, Vernon L. Smith, U.S
1996	Bishop Carlos Ximenes Belo, Jose Ramos-		Robert F. Engle, U.S., Clive W.J. Granger, U.K.
	Horta, Timorese	2004	Finn Kydland (Norway), Edward Prescott
1997	Jody Williams, U.S.; International Cam-	2005	(USA)
	paign to Ban Landmines	2005	Robert Aumann (Israeli-US) and Tho-
1998	John Hume, David Trimble, N.Ir.		mas C. Schelling (US)
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Year	Winner Language	1971	Bishnu Dey Bergui
1965	G. Sankara Kurup Malayalam	1972	Dr. Ramdhari Singh Dinkar
1966	Tara Shankar Banerjee Bengali	1973	Dattatreya Ramachandra Ber 🚾
	Dr. K.V. Puttappa Kannada	45=5	The state of the s
	Umashankar Joshi Gujarati		Gopinath Mohanty
	Sumitranand Pant Hindi Firaq Gorakhpuri		Vishnu Sakharam Khande P.V. Akhilandam (Akhde 🌣
	Dr. Viswanatha Satynarayana . Telugu		Ashapurna Devi
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GENERAL KNOWLEDGE

7	Dr. K. Shivarama Karanth Kannada	1991 Subhas Mukhopadhyay Bengali
'8	S.H. Vatsyayan Hindi	1992 Naresh Mehta Hindi
9	Birendra Kumar Bhattacharya. Assamese	1993 Sitakant Mahapatra Oriya
ю	S.K. Pottekkatt Malayalam	1994 U. R. Anantha Murthy Kannada
11	Amrita Pritam Punjabi	1995 M.T. Vasudevan Nair Malayalam
12	Mahadevi Verma Hindi	1996 Mahasweta Devi Bengali
13	Dr Masti Venkatesh Iyengar Kannada	1997 Ali Sardar Jafri
14	Thakazhi Sivasankara Pillai Malayalam	1998 Girish Karnad Kannada
S	Pannalal Patel Gujarati	1999 Nirmal Verma Hindi
16	Satchidanand Rautroy Oriya	1999 Gurdayal Singh Punjabi
	V.V. Shirwadkar Marathi	2000 Indira Goswami Assamese
8	Dr. C. Narayana Reddy Telugu	2001 Rajendra Keshavlal Shah Gujarati
	Qurratul-ain-HaiderUrdu	2002 D. Jayakanthan Tamil
10	Vinayak Krishna Gokak Kannada	2003 Vinda Karandikar Marathi
• •	reaction to the second section of the section of the	a series of the
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1:	ooler Prizes	
-		
		1989 Kazuo Ishiguro The Remoins
	Bernice Rubens The Elected Member	Of The Day
	V.S. Naipaul In A Free Stote	1990 A.S. Byatt
	John Berger G	1991 Ben Okri The Famished Road
	J.G. Farrell The Siege Of Krishnopur	1992*Michael Ondaatjee The English Potient
74	Nadine Gordimer The Conservationist	Barry Unsworth Sacred Hunger
	Stanley Middleton Holiday	1993 Roddy Dodoyle Paddy Clorke Ha Ha Ha
	Ruth Prawer Jhabwala Heat And Dust	1994 James Kelman Haw Late It Was,
	David Storey	How Late
	Paul Scott Staying On	1995 Pat Barker The Ghost Road
	Iris Murdoch The Sea, The Sea	1996 Graham Swift Last Orders
	Penelope Fitzgerald Offshore	1997 Arundhathi Roy
	William Golding Rites Of Passage	The God Of Small Things
	Salman Rushdie Midnight's Children	1998 Ian Mcewan
	Thomas Keneally Schindler's Ark	1999 J.M.Coetzee
13	J.M. Coetzee	2000 Margaret Atwood The Blind Assassin
, ,	Life And Times Of Michael. K.	2001 Peter Carey True History of the Kelly Gong
).r.	Anita Brookner Hotel Du Lac	2002 Yann Martel Lile of Pi
15	Keri HulmeThe Bone People	2003 D.B. Pierre Vernon God Little
	Kingsley Amis The Old Devils	
3/	reneiope Lively Moon Tiger	2005 John Banville The Sea
18	Peter Carey Oscar And Lucinda	Co-Winners
1		

Year	Name or Company	Category	1982	Arun Shourie	JLCCA
			1984	Rasipuram Laxman	ILCCA
1958	Vinoba Bhave	CL	1985	Murlidhar Amte	PS
1959	Chintaman Deshmukh	GS	1989	Lakshmi Chand Jain	PS
1961	Amitabha Chowdhury	JLCCA	1991	K.V. Subbanna	JLCCA
1962	Mother Teresa	PIU	1992	Ravi Shankar	JLCCA
1963	Dara Khurody	CL	1993	Banoo Jehangir Coyaji	PS
1963	Verghese Kurien	CL	1994	Kiran Bedi	GS
1963	Tribhuvandas Patel	CL	1996	Pandurang Athavale	CL
1964	Welthy Fisher	PIU	1996	T.N. Seshan	GS
1965	Jayaprakash Narayan	PS	1997	Mahasweta Devi	JLCCA
1966	Kamaladevi Chattopadhyay		1997	Mahesh Chander Mehta	PS
1967	Satyajit Ray	JLCCA	2000	Jockin Arputham	PIU
1971	M.S. Swaminathan	CL	2000	Aruna Roy	CL
1974	M.S.Subbulakshmi	PS	2001	Rajendra Singh	CL
1975	Boobli George Verghese	JLCCA	2002	Sandeep Pandey	EL
1976	Henning Holck-Larsen	PIU	2003	James Michael Lyngdoh	CS
1976	Sombhu Mitra	JLCCA	2003	Shantha Sinha,	CL
1977	Ela Ramesh Bhatt	CL	2004	Laxminarayan Ramdas	PIU
1979	MabelleArole	CL	2005	V Shanta .	PS
1979	Rajanikant Arole	CL	2006	Arvind Kejriwal	EL
1981	Gour Kishore Ghosh	ILCCA		overnment Service; PS-Public	
1981	Pramod Karan Sethi	CL		unity Leadership; JLCCA-Journal and the Creative Communication	
1982	Manibhal Desai	PS		and International Understanin	
1982	Chandi Prasad Bhatt	CL		eadership.	· ·

Schengen Visa

Travelling in Europe has been simplified with

the introduction of the Schengen visa. This unified visa system offers many advantages to visitors to the Schengen area. With a Schengen visa, you may enter one country and travel freely throughout the Schengen zone. Internal border control have disappeared; there are no or few stops and checks. This means that internal air, road and train travel are handled as domes-

The name "Schengen" originates from a small town in Luxembourg. In June 1985, seven European Union countries signed a treaty to end

tic trips.

countries joined the treaty later. The 15 Schengen countries are: Austria, Belgium, Denmark, Finland, France, Germany, Iceland, Italy, Greece, Luxembourg, Netherlands, Norway, Portugal, Spain and Sweden. If you intend to visit only one Schengen country, you must apply for the visa at the Embassy or Consulate of that country. If you intend to visit several countries, you must apply for a visa at the Embassy or Consulate of the country which is your main destination. If you intend to visit several Schengen countries but do not have a main destination, you should apply for a

visa at the Embassy or Consulate of the

which is your first point of entry.

internal border checkpoints and controls. More

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V George Mathew

ich floor of the UN building in New s the Secretary General's office? s King Camp Gillette?

pression 'lion's share' has its onthis Greek author of fables

this Greek author of lables imalcan singer whose home in on is known as Tuff Gong Interal

rst woman raecipient of Vyas an on to whom a warranty is made

st bowler in Test cricket to take a ck in the first over

chool of Artillery is at (Mhow/i/Wellington/Dehradun)

anish newspaper that published cartoon depictions of the Prophet

ed of pistachio is (blue/greenish/ yellowish) orge Cayley is known as the Fa-

Cancelled' is a book written by a dian, half English Oxford gradus name?

anghat is the samadhi of st Indian to have made his million olf

a is another word for st day of Chaitra falls on (April 1/ 2/ Sept.30 / Jan.1)

leagle for USA, and for Russia.
Pilot is M.P. from (Kannauj/hanpur/South Mumbai/Dausa)
's fastest missile ship commis-

in Indian Navy in March 1997 st recipient of the India Science

Award 2004 given by Government of India

- In Pharmacy, 'over-the-counter' means:
 a. sold illegally b. sold with prescription c. sold legally without prescription
 d. sold illegally with prescription.
- The name of a large cannon used by Germans in the First World War: Big Ben / Big Bertha/Big Apple/ Big Bang
- East Asia is: the Near East / the Far East / the Middle East/ Asia Minor.
- 24. The first Sherlock Holmes book
- The word 'cunning' is: a. an adverb b. a verb and an adjective c. a noun and a verb d. a noun and an adjective
- Which word means a 'chronic drunkard' sot/sop/sup/sow
- 27. The film Saathiya is a remake of Mani Ratnam's
- Two of these countries have not signed the Kyoto climate treaty: India, France, USA. Australia
- 29. The singer who earned £30,000 a day in 2005.
- The city in Haryana named as 'the millennium city'
- ANTRIX is the commercial arm of: FICCI/ NCAER/ISRO/RBI
- The three Indian universities that turn 150 in 2007
- 33. Which of these is a retail giant: Google, Carrefour, Ivy League, IFAD?
- Average global temperature has increased by degree/degrees in the past century.
- Filmmaker Shaad Ali Sehgal's mother?
 She is a politician.

- 36. The motto of NCC
- 37. M.S. Dhoni's place of birth
- 38. The fairy tale character who was a manikin who could weave gold out of straw
- 39. The number of people committing suicide every year, according to WHO.
- 40. The world's biggest exporter
- 41. Dharmendra Yadav's record
- 42. How many Indian athletes participated in the Winter Olympics at Turin in 2006?
- 43. The 19th century King Ferdinand II's heavy bombardment of Sicilian cities gave him the name
- 44. The country whose name has only four letters but is a complete sentence, i.e. it
- has a subject and a predicate 45. The woman who received the world's
- first partial face transplant 16. 'Stock raising' is concerned with a, shares b. mutual funds c.fences d.cattle
- 17. The four American leaders whose heads are carved on the Rushmore mountain
- 18. An illustration facing the title page of a book
- 19. India's first public-private initiative is a \$100 m. toll bridge. Name it.
- 50. Where are these privately-owned ports: Gangavaram, Dhamra and Pipavav?

64.Sivaji Ganeshan # 65.27 # 66. 3,000 cr.

- 51. Mother of England's Queen Elizabeth I
- 52. Which of these words means 'vomiting': emersion/emesis/nucin/nemesis?
- 53. The dynasty founded by Osman I
- 54. The world's largest beverage-maker
- 55. How tall is the angel atop the Victoria Memorial in Kolkata?
- 56. The two distinct revolutions that constitute the Russian Revolution of 1917.
- 57. Zadie Smith's award-winning 'On Beauty' is a reworking of E.M. Forster's 58. In English folklore, Queen Mab is a fairy
- queen who controls people's 59. The capital of Luxembourg
- 60. French writer Colette's comedy about a girl reared to be a courtesan
- 61. Which sign of the zodiac do the mythological Castor and Pollux represent?
- 62. The two tennis players in 'the battle of the sexes' in 1973
- 63. Nawee is a coin of Zimbabwe/Poland/ New Zealand/Zambia
- 64. The proposed film city in Pondicherry is to be named after
- 65. India's services sector, which generates over 50 p.c. of the GDP, employs only p.c. of working Indians.
- 66. India's annual production of eggs is estimated at

Answers: 1.3Bth floor # 2.The American who invented the safety razor # 3.Aesop # 4.Bob Marley # 5.Ms.Chitra Mudgal # 6. Warrantee # 7.Irfan Pathan # 8.Deolali # 9. Jyllands-Posten # 10.greenish = 11. Aviation = 12.Rana Dasgupta = 13. Gulzanial Nanda = 14.Arjun Atwal = 15.wart = 16.March 22 = 17.brown bear = 18.Dausa = 19.INS Prahar = 20.Prof. C.N.R. Rao # 21.c # 22.Big Bertha # 23.the Far East # 24.A Study in Scarlet # 25.d # 26.sot # 27. Alai Payuthey = 28.USA, Australia = 29. Robbie Williams = 30. Gurgaon = 31. ISRO = 32.Bombay, Madras, Calcutta a 33.Carrefour a 34.one a 35.Subhashini Ali a 36.Unity and Discipline = 37.Ranchi = 38.Rumplestiltskin = 39.one million = 40.the European Union = 41. Youngest member of the 14th Lok Sabha # 42. Four # 43. King of Bomba # 44. Iran # 45. Isabelle Dinoire # 46. d. cattle # 47. Washington, Jefferson, Lincoln and Theodore Roosevelt 4B.frontispiece
 49.Delhi-Noida Toll Bridge
 50.In A.P., Orissa and Gujarat respectively

51.Anne Boleyn # 52.nemesis # 53.Ottoman # 54.Coca-Cola Company # 55.4.9 metres 56.February Revolution and October Revolution 57. Howards End 58. dream

59.Luxembourg = 60.Gigi = 61.Gemini = 62.Billie-Jean King and Bobby Riggs = 63.Z

- The adventurer who set a record by covering 42,467 km in 76 hours in 2006
- 68. The Nobel laureate who was born in Mumbai on Dec. 30, 1865
- Which is the correctly spelt word? a. psychophant b.cychophant c. sychophant d. sichophant
- 70. An idiocolous bird is born
- What is a coracle? a crow/ a boat/a disease/ a wise man.
- 72. Which word takes 's' to make the plural form: offspring/deer/furniture/piano?
- 73. In 'Pickwick Papers', who is the president of the Pickwick Club?
- In colloquial English, 'You can say that again' means
- 75. The West Indian poet who wrote Omeros
- The woman who was Prime Minister of Canada in 1993 and 1998
- Saint Nicholas is patron saint of (Norway/Russia/Sweden/Austria).
- US ambassador David Mulford was a before taking up the present job.
- Which word is wrongly spelt?
 a.deception b.repeatition c.extension d.intention
- 80 What is common to Harivansh Rai Bachchan, Vijay Tendulkar, Balamani Amma and Indra Parthasarathy?
- The first Indian bank to get approval to start normal banking operation in China.
- 82. Africa's leading oil exporter
- Give the next line: Little drops of water, Little grains of sand, Make the mighty ocean,
- B4. Norah Jones' debut album
- A kibitzer (a. catches fish b. gives unwanted advice c. flies kites d. changes houses very often)
- 86. The famous anthropologist L.B.S Leakey was born in which country?
- This name is used for something that is oversimplified and unrelated to reality:

Andorrans Vs Mozambiqua

In average life expectancy, Andor is at the top with 83.5 years ar African country Mozambique at the bottom with 31.3 years.

- a. David Copperfield b. Mickey NC. Donald Duck d. Cinderella
- 88. Which of these falls in the class 'j and gems': Alexandrite / Cracow// Derby?
- 89. The word 'Rupaya' for currency first used in 1540 by
- What is special about the book that the Booker Prize in 1972?
- What is unique about the Booker I of 1983 and 1999?
- 92. Who won the best actor Oscar in for the film 'Scent of a Woman'?
- 93. Which word means 'a sequence events': cartridge/ cyst/ casket/ c cade?
- What anti-viral drug is technically kr as oseltamivir?
- George Lazenby, the Australian act known for a. his Bollywood film book on India c. role as the Buddha role as lames Bond.
- The first woman Secretary General Amnesty International
- Dan Brown was accused of plunde the plot of the best seller The Da I Code from a non-fiction work calle
- The Deepa Mehta film that focuse the plight of castigated widow Varanasi
- 99. In Greek mythology, Cassiopeia is mother of
- 100. Who invented the antibiotic tetracyc
- 101. What is known as the World Court?
- 102. Felipe is the Crown Prince of wi country?

- 3. Tocology is a. obstetrics b. occult c. palmistry d. topography
- 4. The name of an animal used to denote a spinning machine that makes yarn from fibres
- 5. The governor of Madras after whom an American university is named
- 6. What did Dr. L.L. Zamenhof, a Polish philologist, devise in 1887?
- 7. What is known as Horn of Africa?
- 8. For which sport is Admirals Cup given? 19. Clothing and other accessories for a
- new-bom baby. The word begins with 'I' 0. The year Mahatma Gandhi visited U.S.A.
- 1. 'USS Enterprise' was sent to the Bay of Bengal to browbeat India. The year?
- 2. The line identifying the writer of a newspaper article
- 3. The number of tax-payers in India
- 4. Surface area of the human skin
- 5. The two page income-tax return: Suvidha/Saral/Saphal/Sneha
- 6. 'Asom', the new name of Assam means
- 7. The Clint Eastwood-directed film about a female boxer
- 8. AWB Ltd. is which country's monopoly wheat marketing body?
- 9. After the completion of India's Five Year Plan, there was a Plan Holiday

- for three years
- a. second b. third c. fourth d. fifth
- 120. Who was the Prime Minister when President Jimmy Carter visited India?
- 121. Which word means 'a third person in the company of two lovers' (jockey/ gooseberry/busybody/cameo)?
- 122. George Bush is the US President to visit India: 3rd, 9th, 5th, 6th
- 123. The actress who became an international star as Dorothy in The Wizard of Oz
- 124. A vehicle brought from abroad under Transfer of Residence, cannot be sold before of personal use by the importer (6 months/ 1 year/ 2 years / 3 years)
- 125. Capgemini is (a. an American beverage b. Europe's largest computer consultancy c. the capital of a channel island d. a satellite now in orbit)
- 126. The mahout in the Mysore maharaja's palace who acted in 'Jungle Book' and Thief of 8aghdad'
- 127. February gets its name from a Latin word implying (atonement/ romance/disagreement/ brevity)
- 128. The Indian cricket team visited New Zealand for the first time in 1967 under the captaincy of

72.Piano # 73. Samuel Pickwick # 74. Lagree with you # 75. Derek Walcott # 76.Kim Campbell • 77.Russia • 78.banker • 79.b-correct; repetition • 80. Winners of Saraswati Samman • 81. State Bank of India • 82. Nigeria • 83. And the pleasant land • 84. Come Away With Me" = 85. b = 86. Kenya = 87.b = 88. Alexandrite = 89. Sher Shah Sun = 90. Its title is 'G', written by John 8erger # 91. The same author, J.M. Coetzee # 92. Al Pacino # 93. Cavalcade # 94.Tamiflu # 95.d # 96.Irene Khan # 97. "The Holy 8lood and the Holy Grail" = 98. "Water" = 99. Andromeda = 100. Yellapragada Subba Rao = 101. International Court of Justice in the Hague = 102. Spain = 103. a = 104. mule = 105. Elihu Yale = 106. The artificial language Esperanto . 107. North East Alrican countries of Ethiopia, Eritrea, Somalia and Djibouti # 108. Yachting # 109. Jayette # 110. He never visited that country * 111. 1971 * 112.byline * 113. 4.26 cr. * 114.25 sq.feet * 115. saral * 116.uneven * 117. Million Dollar 8aby • 118. Australia • 119.b • 120. Moraji Desai • 121.gooseberry 122. 5th = 123. Judy Garland = 124. 2 years = 125. b = 126. Sabu Dastagir = 127. atonement . 128, Nawab of Pataudi

Answers: 67. Steve Fosset = 68. Rudyard Kipling = 69.c = 70. blind and helpless = 71. a boat

- The first Indian to win a Pulitzer Prize
-). The first Indian to climb Mount Everest without oxygen
- . Delhi's Prithviraj Road is named after the city's last
- The world's first ultra-capacitor powered electronic vehicle
- 3. The number of passengers carried by Indian Railways in a day.
- The name of the Indo-French satellite programme
- India is the producer of food in the world.
 - a. largest b. second largest c. third largest d. fourth largest
- 6. The chemical culicide is used to destroy
- 7. The earth sciences equivalent of the Nobel Prize
- 8. The first IIMs were set up in 1961. Where?
- The age of our universe is in the neighbourhood of
- 0. A game of billiards: pool/pond/post/
- party

 11. What did Samuel Colt invent?
- The early edition of a morning newspaper
- 'And God Created Woman', the film which made actress Brigitte Bardot a star, was directed by Roger Vadim, who was her
- 'Civvies' means (civil service/ civilian clothes/civil law/civil engineering)
- 45. Mudguard is the old word for a car's
- Sumo wrestling takes place between (two, three, four, six) wrestlers.
- Sanford Fleming devised Standard Time by dividing the world intoseparate time zones.
- 48. Lollywood is the name given to the film industry of which country?
- 49. How many languages does Jackie Chan speak?
- His 1978 film 'Grease' was a big success. Name this actor.

Pensioners' Rule

The Indian Railways has 15.4 lakh employees and 11.3 lakh pensioners. The latter will overtake the former by 2006-07.

- 151. The abbreviation for UN mission 'UNMEE' has names of two countries in it. Name them.
- 152. What percent of India's electricity is provided by nuclear programme?
- 153. The first person ever to win a Grammy, an Emmy, an Oscar and a Tony award
- 154. The first Asian to win best director Oscar
- 155. The Portuguese hamlet where apparitions of the Virgin Mary were reputedly
- seen in 1917
 156. At what age did veteran director Sydney
 Ling of the Netherlands make a film?
- 157. The American architect who coined the dictum 'Form Follows Function'
- 158. Lesbos, Samos and the Cyclades are a. Aegian Islands b.giants in Norse mythology c. towns in Syria d. messengers of Cupid
- 159. Haiti's Prime Minister Reene Preval is by training
 - a. an electrician b. an agronomist c. a dentist d. a nurse
- 160. The only man so far tried in a US countroom in connection with the Sept. 11 strikes of 2001.
- 161. Kilovolt is one thousand volts. What about Kilowatt?
- Pugwash Conferences got the name from the place
- 163. Macadamias are (a. road building techniques b. academies of architecture comamental evergreen trees d, nuns)
- 164. The two time Oscar winning actress who was a waitress at the Hotel Somerset in Somerville, USA

- 65. The largest human organ is skin. Which is the second largest organ?
- 66. Union budget 2006-07 budgets for an expenditure of Rs. 563,911 cr. What per cent of the expected GDP would this be?
- 67. The major German industrial centre on the river Neckar
- 68. Where was the court of the legendary British King Arthur of 6th century A.D.?
- 69. Rolls Royce is owned by (Volkswagen/ BMW/Ford/GM)
- 70. Nobel laureate Karl von Frisch conducted experiments and realised that honeybees communicate with one another using the language of
- 71. The first Indian metropolis to have solar-powered street lights
- 72. The three Wilson brothers who, along with others, formed the singing group 'Th e Beach Boys' in 1961.
- 73. Copper with tin is bronze, copper with zinc is brass. What is lead with tin?
- 74. Life expectancy at birth is 63 years in India. What is the figure for China?
- 75. The annual grant under MPLAD scheme is Rs. 2 crores per M.P. per constituency. How much was it when the scheme was announced in 1993?
- 76. The length of the small intestine is about 20 feet. What about the large intestine?

- 177. Into how many small incomplete cubes is the Rubik's Cube divided?
- 178. The largest tributary of the Amazon
- 179. The name of the mathematician who is responsible for 'Boolean algebra'
- 180. How many of the 106 persons winning Padma Awards in 2006 are foreigners?
- 181. The weight of brain for males is 1408 gram. What about females?
- 182. 5596°C is the boiling point of (tantalum, osmium, tungsten, rhenium)
- 183. Before Ambika Soni joined the Union Cabinet, there was only one woman in the Cabinet, Who?
- 184. Members of the Dinka tribe are known for their (marksmanship/height/swimming/long hair).
- 185. Where is the royal palace Hagia Sophia?
- 186. Jack Dempsey was nicknamed 'Manassa Mauler'. His profession?
- 187. The four languages added to the Eighth Schedule in 2004
- 188. The year the High Courts of Bombay, Calcutta and Madras were established
- 189. A Japanese-led initiative to promote study of artificial intelligence and robotics using football games.
- 190. Frankfurter is (a sausage/ a wine/a franking machine/ a wrestler)
- Answers: 129. Gobind Behari Lal = 130. Phu Dorjee = 131. Hindu ruler = 132. 'COMS CV' # 133. 14 million # 134. Megha-Tropiques # 135.c # 136. mosquitoes # 137. Vetlesen Prize
- 138. Calcutta and Ahmedabad # 139. 14 billion years # 140. pool # 141. a revolver #
- 142. bulldog edition a 143. husband a 144.civilian clothes a 145.fender a 146.two a 147.
- 24 = 148. Pakistan, industry based in Lahore = 149.eleven = 150.john Travolta = 151.
- Ethiopia and Entrea a 152, three a 153, Barbara Streisand a 154 Ang Lee a 155, Fatitat 156.13 years = 157.Louis Sullivan = 158. a = 159.b = 160.Zacarias Moussaoui = 12"
- 1000 watts # 162. Pugwash, Nova Scotia where the first meeting was held in 1957 # 15.5
- C = 164. Meryl Streep = 165. Liver = 166.14.5 = 167. Stuttgart = 168. At Camelot = 165.300 * 170.dance * 171.Kolkata * 172.Brian, Carl and Dennis * 173.Pewter * 174.71 * 175.40
- crore = 176. about five feet = 177. 26; 178. River Madeira = 179. George Boo'e = 1820 2
- # 181.1263 gram # 182.rhenium # 183.Meira Kumar # 184.height # 185.cm**
- 186.Boxer = 187.Bodo, Dogri, Maithili, Santhali = 188.1862 = 189.Robo Cup = 🗺

- 91. The Greek goddess of dawn, identified with Roman goddess Aurora
- 92. Dutchy Originals is a food company growing organic produce-based foods and donates the proceeds of sales to charity. Who owns it?
- 93. Total assets of LIC are around
- 94. The annual 1855-km dogsled race held in March in Alaska taking 9 to 14 days to complete
- 95. The H5N1 strain of avian flu was first identified where?
- 96. 'Bahia de Cochinos' is known to us as
- 97. The pipeline that takes Caspian Sea oil from Azerbaijan to Turkey via Georgia
- 98. World Kidney Day is observed on
- 99. The ancient Greek grator who was a stutterer with pebbles in his mouth to improve his speech
- 200. Soccer star Sandor Kocsis is from (Kuwait/Egypt/Brazil/Hungary)
- 201. The second longest river in Europe, that rises in the Black Forest, Germany
- 202. Venue of the 2010 Winter Olympic Games
- 203. Ghatolkacha is the son born to Bhima and
- 204. What is the informal word used by Americans for a sandwich having three slices of bread and two layers of filling
- 205. Bible: How many sons did Noah, who built the ark on God's instructions, have?
- 206. Kwame Nkrumah, the man who was the Prime Minister of Gold Coast was the first president of
- 207. American President Richard Nixon is the first to (a. apologise to the nation / b. be convicted of wrongdoing/c. visit the Soviet Union/ d. teach law)
- 208. Complete the saying: Cleanliness is next
- 209. 'Farinaceous' means containing or resembling (star/stick/story/starch)
- 210. The first-ever President to visit the military-ruled Myanmar

Capital to Commercial Capital

It is estimated that about 40 per cent of air traffic in India is between Delhi and Mumbai.

- 211. What brought Texas lawyer Harr Whittington to news in Feb., 2006?
- 212. The daughter of a slain Prime Ministe who was the youngest billionaire i Forbes annual list of 2006
- 213. The country with the highest suicide rat in the industrialised world
- 214. The city where the world's biggest I fair is held in
- 215. The country that won most Olympi medals in 1896
- 216. Which word is wrongly spelt? a. fort eth b.eighth c.twelveth d.ninth.
- 217. The Tulsi Tanti-owned company ha Asia's largest
- 218. India's first home-made talkie release in 1931
- 219. Who wrote a column 'Youth Folio' i RSS mouthpiece 'Organiser'? (Manek Gandhi/VarunGandhi/Pramod Mahajar Swapandas Gupta)
- 220. The first Indian ever to bag 500 Ter wickets
- 221. Canadian billionaire Kenneth Thomso is a (jeweller/publisher/miner/farmer).
- 222. How many Tests did Muttia-Muralitharan take to reach the 500 Tes wicket mark?
- 223. Futon is a mattress for sleeping o (Chinese/japanese/Moroccan/Turkish)
- 224. Which of these is a West Bank town Amman/Beirut/Bethlehem/Gaza?
- 225. Ibsen's Et Dukkehjem of 1879 is a re nowned social play, known in English a
- 226. Length of the Iran-India pipeline
- 227. Which of these is a capital city (Sydney Berne/Geneva/Montreal)?

- 228. Japanese poem haiku is the smallest poetry form in all the world. What does the word haiku mean?
- 229. Pusan is a seaport in
- 230. The first name of Lord Clive, who is known as Clive of India
- 231. Which place is wrongly spelt? a. Liechtenstein b. Morrocco c. Lithuania d.Holland
- 232. The Muslim festival occurring on the first day after Ramadan
- 233. What did Ingvar Kamprad of Sweden found?
- 234. A person who lures away others to follow him is a 'pied piper'. This expression has its origin in the German legend of the Pied Piper of
- 235. Who was born on Dec. 22, 1887 a: Srinivasa Ramanujan/b. Job Charnock/ c. Bhagat Singh/d, Vallabhbhai Patel?
- 236. Greek mythology: The father of **Prometheus**
- 237. The four bowlers who took 500 Test wickets before Anil Kumble
- 238. Who laid down his life fasting for a sepa-rate Andhra state in 1952?
- 239. What is 'moonlighting'?
- 240. Add two more cities to this chronologi-

- cal list of Olympic venues: Montreal, Moscow, Los Angels, Seoul
- 241. In printing, diesis is the reference mark 242. The total number of billionaires in the
- world, according to Forbes 2006 list. 243. Which means 'a narrow escape': closed
- door/ close call/ clockwork/closed chain?
- 244. The internationally renowned business school INSEAD is in which country?
- 245. The five communities declared as minority communities in 1993
- 246. According to 2001 census, Scheduled Tribes account for per cent of India's population.
- 247. The subsidy on a post card is
- 248. The per cent of passengers traffic carried by Indian roads
- 249. The highways make up.... per cent of India's road network by length
- 250. The largest US bank
- 251. The father of the current prime minister of an Indian Ocean island nation was once a member of the Indian National Congress. Name the person.
- 252. Which of these is the capital of a country: Principe/Malta/Nauru/Apia?
- 253. The overseas arm of Oil and Natural Gas Corporation, ONGC

Answers: 191.Eos = 192.Prince Charles of Britain = 193.Rs. 4 lakh crore = 194. Iditarod, called The Last Great Race on Earth • 195. China • 196. Bay of Pigs • 197. Baku-Tbilisi-Ceyhan, BTC = 198. Second Thursday of March = 199. Demosthenes = 200. Hungary = 201. River Danube # 202. Vancouver # 203. Hidimbi # 204. double-decker # 205. Three # 206. Ghana = 207.c. visit the Soviet Union = 208. godliness = 209. starch = 210. A.P.J. Abdul Kalam # 211.Vice President Dick Cheney accidently shot him while hunting gnail # 212.Hind Harin, d/o. Lebanese Prime Minister Rafig Hariri # 213.Japan -25.3 per 100,000 persons = 214. Hanover = 215. Greece = 216.c-correct: twelfth = 217. wind farm = 218. Alam Ara = 219.Varun Gandhi = 220.Anil Kumble = 221.publisher = 222.87 = 223.Japanese = 224.8ethlehem u 225.A Doll's House u 226.2100km. u 227.8erne u 228.the beginning 229.Korea = 230.Robert = 231.b. correct : Morocco = 232.Id-al-Fitar = 233.ikea = 234.Hamelin = 235.Srinivasa Ramanujam = 236.lapetus = 237.Muttiah Murahtharan, Shane Warne, Glenn McGrath, Courtney Walsh a 238. Sriramalu Potti a 239. Earnings generated through work outside the formal line of duty = 240.8arcelona, Atlanta = 241.double dagger = 242.793 = 243.close call = 244.France = 245.Muslims, Christians, Sikhs, Buddhists & Parsis * 246.8.2 * 247.Rs.6.1 * 248.85 * 249.two * 2° Inc. # 251.Sir Seewogar Ramgoolam of Maunitius # 252.Apia # 253.OVL, ON

- 254. Saint Gobain is a French (glass-maker/ perfume/tourist spot/saint)
- 255. How far is Sriperumbudur, where Rajiv Gandhi was assassinated, from Chennai?
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- 261. The tallest American President 262. The only American President with a Ph.D.
- 263. Mercedes sedans are assembled in which
 Maharashtra town?
- 264. U 21 Global is (a. the Holland-based steel manufacturer b. a global online education major c. a rocket d. a Canberra-based Australian university)
- 265. The Nehru Memonal Museum is at Teen Murti House in: a. Allahabad b.Srinagar c.New Delhi d.Lucknow
- 266. The Nobel laureate who was an engineer a. Dario Fo b. V.S. Naipaul c. C.V. Raman d. Yasser Arafat
- 267. 'Sinistrodextral' is going from a. left to right b. right to left c. centre to right d. centre to left
- (a. Beijing b. Copenhagen.c. Tokyo d. Monrovia) was once known as Yedo.
 The judicial capital of South Africa
- 270. The first Communist Head of State to
- 271. The Mississippi county which was the setting for many of William Faulkner's works

Busy Indeed

About 9 million passengers are carried every day by Russia's Moscow Metro, the world's busiest metropolitan railway system.

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- times it was referred to as Hungarian Horror. The world knows it by the name
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- 291. Pecola is the main character of Toni Morrison's novel
- 292. Which of these words can mean 'ready and willing': sport/game/open/done?
- 293. Joseph Grimaldi is: a. a famous architect b, an Italian statesman c, associated with the Suez Canal d. a famous clown
- 294. Converting demat shares into physical form is called
- 295. Zinc in the human body, in grams
- 296. The three Tagores who were artists
- 297. Omega 3 fats are believed to help cut the risk of cancer and heart disease. The two fishes in which these fats are found
- 298. Of the total household savings in India, the share of savings in shares and debentures
- 299. The city founded in 1827 as Bytown on the Ottawa river
- 300. A poncho is (a. a Japanese sport b. a piece of clothing c. a peasant d. a bear with white fur)
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- 302. Who declares the Olympic Games open? 303. Verse 40 of the 'Kuruntokai' is where Vikram Chandra got the title for his book
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- 309. Who acts as Cyrus in the English film 'Being Cyrus' from Bollywood?
- 310. A Cardinal of the Roman Catholic Church can vote in a conclave if he is under what age?
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Answers: 254.glass-maker # 255.40km, 256.Kuldip Nayyar # 257.Jamaica # 258.Abcut 223 # 259.b # 260.c # 261.Abraham Lincoln # 262.Woodraw Wilson # 263.Pimed # 25-# # 265.c # 266.d # 267.a # 268.Tokyo # 269.Bloemfontein # 270.Marshal Tito cf / _____ # ■ 276.Princess Margaret of Britain ■ 277. Charten ■ 278. Ronald Reagan: 275. Tel 479 last case of smallpox, Oct. 26,1977 = 280.3.9 . 231 Vlumbai, Vizakhaparran 282. Frank Sinatra a 283.1936 Olympic Cames were need there a 284.24 a 224.34 July 4 a 286.Leo Tolstoy a 287.6.5 b. Ton a ISB Mestminister Abdev a ISB and # 290.1.843 # 291.The Bluest Eye # ISI ame # ISI a # 294.remat # Isi # Abanindranath, Rabindranath and Commercianism + 297, mackets and the less than 2%, in 2004-05 • 259. Ctable = 300 ct. 307 b = 302-ctal 4 country # 303.Red Earth and Fouring Point # 304 c # 305.major 3 Prize, £30,000 = 312.34 18 . ITLITT . IT+ morse : 315.m

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country # 303.Red Earth and Pouring Rain # 304.c # 305.major general # 306.r = 307.Oxbridge = 308.illumination = 309.Saif Ali Khan = 310.80 = 311.Samu Prize, £30,000 = 312.34.08 = 313.107 = 314.Horse = 315.mustee

- 116. The harmattan (dry wind) that blows from the Sahara across West Africa is called 'The Doctor' in humid lands along the Gunea because
- 117. Rene Descartes believed 'Cogito ergo sum'. This means
- 118. The number of tigers in India estimated to be in the wild
- The Muslims calendar reckons time from July 16, A.D.
- i20. 'Natation' means (a. a naturalised citizen b. a system of figures and symbols c. strong nationalistic feeling d. swimming)
- 321. The play with which Julia Roberts made her Broadway debut in March'06
- 322. The operation under which Indian paratroopers were sent to Maldives in 1988 to thwart a coup attempt there.
- 323. 'The Orange City of India'
- (Italian/German/Australian/Belgian) researchers were the first to clone a horse in 2003.
- 325. India's first high-budget animation movie
- 326. The per cent of India's pregnant women found to be HIV positive in 2006
- 327. The first woman to reach the rank of Air Marshal in IAF
- 328 Which city's name precedes 'cigar' to denote a high quality product: Antwerp/ Oklahoma/ Beijing/ Havana
- 329. Pascal Lamy is Director-General of
- 330. John Hinkley Jr. said he attempted to assassinate President Ronald Reagan to impress which actress?
- Sen. Prince Johnson is the leader of a breakaway rebel faction that hacked the ears of Samuel Doe, President of
- 332. Gudi Padwa is a festival that marks the beginning of thenew year.
- The part of the telephone handset held next to the ear (earplug/ earphone/ earpiece/ receiver)
- 334. A person with both A and B antigens is

Two Bills

Two American Bills were among the top earners in 2005. Bill Gates made \$50.1 b. from his software business and Bill Clinton, former President, made \$6 m. during the year as speaker.

- designated as which blood group: O / A+ / B+/ AB?
- 335. The highest peak of the Alps, Mont Blanc is in which country?
- 336. Whose single was 'I Should Be So Lucky'
 (1988)?
- 337. A famous book fair is named after this city: Budapest /Asmara/Leipzig/Kochin
- 338. 'CRY' used to be Child Relief and You. Now it is
- 339. Whom did Pope Benedict XVI succeed?
- 340. Chhatrapathi Shivaji Museum was formerly known as
- 341. George Robertson is
- Secretary General of Commonwealth b. Chief of NASA c. Governor of Hong Kong d. Secretary-General, NATO
- 342. The number of countries where land mines is a problem
- 343. World Asthma Day is observed on the first of May.
- 344. The UNCHR has been replaced by
- 345. The Sea known as Lake Kinneret to Israelis?
- 346. The largest single shareholder in Arcelor, the steel giant.
- 347. The company created in London in 2005 to provide safe transport driven by women for women
- 348. Dada, the western artistic movement of early 20th century, emphasised: rationality/ irrationality/ materialism/vegetarianism
- 349. The country that approved a three-year cull of 975,000 seals in 2003, inviting the wrath of animal rights groups
- 350. Swatch Group is the world's biggest

- 351. Who is known as the UN's first economist?
- 352. The Ernest Hemingway book which tells the tale of a failed writer dying of gangrene in the shadow of an African mountain.
- 353. The controversial Arab television network founded in Doha 11 years ago
- 354. The word for noise and chaos: pandemic/harmonium/pandemonium/ pantomime
- 355. A breed of dogs, widely used as guard dogs, developed by a German dogbreeder.
- 356. Albert II is King of
- 357. The predecessor to State Bank of India.
- 358. Zero hour is known as
- 359. 'Older than history, older than tradition, older even than legend.' Who described Varanasi thus?
- 360. The only food that does not spoil
- 361. The third in line to the British throne
- 362. A gaggle is a flock of
- 363. The country where the former ruler of Ethiopia Mengistu Haile Mariam lives as a guest of the Government.
- 364. How many hours is Indian Standard Time ahead of GMT?
- 365. The month Asadha in Saka year is followed by

Chandra Bose a 379. Casablanca

- 366. प्रांst who has been ert\ eter Prize term.
- 367. Dadal. Satyagra
- 368. What per c duced by OF
- 369. The Governor was a Governor L
- 370. Homi J. Bhabha is. ther of
- 371. The three Bronte sister, 372. The European UN Secretary General who
- later became President of his country 373. Sci-fi writer Stanislaw's work that was
- twice made into a film 374. Whose palace is at Mcleodganj?
- 375. Zambia was originally known as
- 376. In which Indian State did the Catholic Church give permission to girls to perform altar duties?
- 377. The tropical plant with large, bell-shaped flowers, named after the German botanist B.P. Gloxin
- 378. The Harvard historian who wrote 'A Hundred Horizons' is the grandnephew of
- 379. The screenplay that topped Writers Guild of America's list of 101 Greatest Screenplays in 2006

Answers: 317.1 think, therefore I am = 318. Between 3000 and 3500 = 319.622 = 320.d # 321. Three Days of Rain = 322. Operation Cactus = 323. Nagpur = 324. Italian = 325. 'Hanuman' = 326.one = 327. Padma Bandopadhyay = 328. Havana = 329. WTO = 330. Jodie Foster # 331. Liberia # 332. Marathi # 333. earpiece # 334. AB # 335. on the borders of France, Italy, and Switzerland = 336.Kylie Minogue = 337.Leipzig = 338.Child Rights and You = 339.Pope John Paul II = 340.Prince of Wales Museum = 341.d = 342.82 = 343.Tuesday # 344.UN Human Rights Council # 345. Sea of Galilee # 346.Luxembourg # 347.Pink Ladies Cabs = 348. irrationality = 349.Canada = 350.watchmaker = 351. David Owen = 352. The Snows of Kilimanjaro" a 353.Al-Jazeera a 354. pandemonium a 355. Doberman pinscher 356.Belgium = 357. The Impenal Bank of India = 358.H-hour = 359.Mark Tainan = Zimbabwe = 364.5.5 hours 4 360. Honey = 361. Prince Harry = 362. geese = 363. 365.Sravana = 366.Indira Gandhi = 367.Swaraj = 368. 40 = 369.Sarojini Naidu ع المنافعة على المنافعة ا Nuclear Science # 371. Charlotte, Emily and Anne # 372. Kurt Waldheim of Austra s 374.Dalai Lama's s 375.Northem Rhodesia s 376.Kerala a 377.gloxinis

harmatfas Albert Einstein when he thed international fame?

number of vacant posts in Indian resities in April as revealed by UGC

cts' blood is (red/blue/yellow/black) we may be cured by like. In which em of medicine is this principle foled?

 American writer who created the racter Ramona Quimby

o among these is an Art of Living ther: Leander Paes / Rhea Pillai/ Steffi f/ Rajinikanth.

s is a major port of Spain (Bilbao/ terdam / Bikini/Stuttgart)

ia's first fully air-conditioned train for poor

necklace of diamonds or other preis stones: rivulet/ riviere / riviera/ rivet bot' is a word coined by Czech writer lira Vikas Patras, if lost, (can / can't) replaced.

a number of employees in Wal-Mart res, in 2005.

e company with a market value of out \$370,000 m. in Mar. 2006: Coca ia/Pfizer / Microsoft/ Exxon Mobil.

e richest Asian in Britain (worth £14.B ion) is Lakshmi Mittal. The second rest?

orcus Pontes is which country's first onaut? e world's largest matrimonial service

adi.com was launched in 1997 by nelope Cruz is an actress from ak House in England was the one-

e house of which celebrity? to set the new world 5 km road racrecord of 14 min. 4.6 sec, in April 16?

ector Shekhar Kapur's wife is the acsinger

phishasur' the painting, was sold at 6.9 cr. at a Christies auction. Name artist

An Unbeaten Record

Boris Yeltsin, the people's deputy candidate for Moscow, (later President of Russia) received 5,118,745 votes out of the 5,722,937 cast in 1989.

- 401. Where did L.K. Advani's 1990 Ram Rath Yatra begin?
- 402. The Roman equivalent of Greek God Dionysus
- 403. The principal languages in Dadra & Nagar Haveli
- 404. The languages added to the 8th Schedule by the Amendment of the Constitution in 1992
- 405. Princess Aiko's parents
- 406. The Three Gorges Dam in China is designed to have a length of
- 407. Yanam, part of Pondicherry, is in Kerala/ Tamil Nadu/ Andhra Pradesh / Karnataka.
- Turkish Republic of Northern Cyprus is recognised only by Greece / UK/ Turkey/ Austria.
- 409. Expand 'N' in the name N. Gopalaswami, the CEC
- Of the 1192 islands, only 200 are inhabited. We are talking about (Philippines/Japan/Malaysia/Maldives).
- 411. A disaster of April 26, 1986 centred around (Tokyo/Djibouti/Dubai/Chernobyl)
- 412. The Indian Prime Minister inaugurated the Hannover on 24/4/20006 (a. Meet b. Mess c. Fest d. Messe)
- 413. The number of words in English as on 21-3-2006, according to Global Language Monitor
- 414. The telecom arm of Indian Railways
- 415. Of which company is John Shaw the Vice Chairman?
- 416. St. Andrews University's celebrity alumnus from the British royal family

- 417. The angel who tries to overthrow God, in John Milton's *Paradise Lost*
- 418. The Indian sportsman who won the David Dixon Award for being the 'Best Athlete' at the Commonwealth Games, 2006
- 419. The names of Henry Luce and Briton Hadden, the young Yale graduates were associated with the beginning of what in 1923?
- 420. The heavy metal band from Australia: AD/BC, CC/DD, A/B/AB, AC/DC.
- 421. The three great writers who died on April 23, 1616.
- 422. Who was arrested in 1955 for refusing to leave his/her bus seat to a white passenger: Martin LutherKing/ Rosa Parks/ Desmond Tutu/ Nelson Mandela?
- 423. Britain's Queen Elizabeth II turned 80 on Apr. 21, 2006. Who turned 80 on Aug. 13? Angela Merckel / Kofi Annan / Fidel Castro/ George W. Bush?
- 424. BSE Sensex reached 12,000 on April 20, 2006. What was it on July 25, 1990? 1000/2000/5000/10000?
- 425. The world's biggest bullion producer
- 426. LVMH Moet Hennessy Louis Vuitton is the world's biggest
- 427. Chinese currency yuan is also known as

- 428. The Indian-born scientist who has been awarded the Stockholm Water Prize
- 429. India's first soap opera 430. Australia's 'Smart State'
- 431. John Matthew Matthen is (a. film director/b. a governor/c. an award-winning farmer/d. the producer of the first 3-D film)
- 432. Saint George is England's patron saint.
 What about Saint Andrew?
- 433. United Parcel is the world's biggest 434. As a teenager, Arundhati Roy made a living selling
- 435. Monash University is in (Canada/ Australia / UK/ USA)
- 436. In April 2006, which country had the most US dollar reserves
- 437. The world's biggest cruise ship. It has the first on-board surfing pool.
- 438. The film premiered in Lahore in April, 06, breaking five decade-long ban on screening of Indian films in Pakistan.
- 439. The famous model of Ford car introduced in 1908
- 440. According to scientists, at what rate is the Dead Sea shrinking?
- 441. The first woman to fly at twice the speed of sound.

Answers: 380.26 years a 381.120,000 including 50,000 teaching posts a 382.yellow a 383.Homeopathy a 384.Beverly Cleary a 385.Rhea Pillai a 386.Bilbao a 387.Garib Rath a 388.riviere a 389.Karel Capek a 390.can't a 391.1,800,000 a 392.Exxon Mobil a 393. Sri Chand Hinduja and Gopi Chand Hinduja of the Hinduja Group a 394. Brazil a 395. Anupam Mittal a 396.Spain a 397.Charles Dickens a 398. Ethiopia's Meseret Defar a 399.Suchitra Krishnamoorthi a 400. Tyeb Mehta a 401. Somnath a 402.Bacchus a 403.Gujarati & Hindi a 404.Konkani, Manipuni, Nepali a 405. Japan's Crown Prince Naruhito and Crown Princess Masako a 406. 2309 metres a 407.A.P. a 408.Turkey a 409.Needamangalam a 410. Maldives a 411.Chemobyl a 412.d a 413.988,968 a 414.Railtel a 415. Biocon a 416. Prince William a 417.Satan a 418. Samaresh Jung a 419.The Time magazine a 420. AC/DC; 421.Miguel de Cervantes, William Shakespeare and Inca Garcilasco de la Vega a 422.Rosa Parks a 423.Fidel Castro a 424. 1000 a 425.South Africa a 427. the renminbi a 428. Asit Biswas a 429.Hum Log a 430.Queensland a 431. a a 432.Scotland's a 433.package shipping company a 434.empty beer bottles a 435.Australia a 436.China, \$875b. a 437.Freedom of the Seas a 438.K. Asif's Munical a 439.Model-T a 440.By over a metre a year a 441.Jacqueline Cochran



- 2. The film legend who was originally Singanalluru Puttaswamayya Muthuraj 3. Traditionally, a blind-folded woman balancing the scales depicts
- I. How long was the reign of Louis XIV of France?
- i. The First Folio is a collection of how many Shakespeare plays?
- i. Reservation in education began in 1902
- in the princely State
- '. Love apple used to be the name for . MI6 is Britain's
- . An octogenarian is a person between
- . 'Tithe ' is (1/5, 1/10, 1/20, 1/50)
- . Physiatrics is the branch of medicine
- that deals with . The author of 'The Idea of a University' :a
- Thomas Carlyle /b. Cardinal Newman/ c.
- Dr. S. Radhakrishnan/ d. Francis Bacon . Which fundamental right contained in
- the Indian Constitution was replaced in 1978?
- . Where is the Khangchandzenda National Park situated?
- . The percentage of vote A.P.J. Abdul Kalam got when was elected Presi-
- . The only thing we have to fear is fear itself'. Whose words?

506.C. Subramaniam # 507.Farouk 1 # 508.1776 feet

- 497. The largest lake of South America. It is on the border of Peru and Bolivia
- 498. The world's longest LPG pipeline from Jamnagar to Loni was commissioned in Dec. 2000. Its length?
- 499. Who created the character Watson?
- 500. Bobby Moore, the footballer who won a record 108 caps, played for whom from 1958 to '74?
- 501. James Bond's vehicle in 'Casino royale': a. spaceship/b. a bullock cart/c. a bulldozer/ d. an electric car
- 502. The war between the Titans and the Olympian gods in Greek mythology
- 503. The role of Inspector Clouseau played by Peter Sellers in 'Pink Panther' is now played by
- 504. The two peaks Gibraltar and Jebel Musa on the sides of the Strait Gibraltar are called
- 505. Who appoints ministers in a State cabinet - Governor or Chief Minister?
- 506. Who preceded Jagjivan Ram as Congress President? He was later made 'Bharat Ratna'.
- 507. The King of Egypt overthrown by Gamal-Abdal Nasser
- 508. The height of Freedom Tower being built at the site of the World Trade Centre. It is symbolic of America's Independence.

nonarchy = 446. Time = 447. Ireland = 448. Nellore = 449. Queen Elizabeth II = 450. Aamir han = 451.d = 452.Shahid Minar = 453.£2500 = 454.Nobel Prize in Economic Science = 55. Dr. Seuss # 456. Thailand # 457. Hotels or hotel chains # 458. James Patterson # 459. Edgar ward = 460.Vijayanta = 461.John Dryden = 462.Georges Simenon = 463.Androcles = 64. Hans Christian Andersen a 465. b = 466. Shipyards = 467. Jodhpur = 468. Navagram roject # 469.b # 470.Sarus # 471.Ronaldinto # 472. the Danube # 473.first face transplant atient = 474.Taiwan = 475.Wilkie Collins = 476.Kaavya Viswanathan = 477.Hyundai Heavy ndustries 🛥 478.time 🛥 479.methusela 🛥 480.Ajeet Bajaj 🛥 481.funambulist 🛎 482.Rajkumar f Karnataka = 483. justice = 484.72 years = 485.18 = 486. Kolhapur = 487. tomato = 488. spy gency # 489.80 and 89 years; 490.1/10 # 491.physical therapy # 492.Cardinal Newman # 93. Right to property # 494. Gangtok, Sikkim # 495.89.58 # 496. F.D. Roosevelt # 97.Titicaca # 498.1240km # 499.Arthur Canon Doyle # 500.West Hans United # 501.a ulldozer = 502. Titanomachy = 503. Steve Martin = 504. Pillars of Hercules = 505. Gove:

nswers:442.Croatia = 443.Gravity = 444.Balkis = 445.July monarchy or the bourgeois

Singha Darbar is the seat of which country's government?

On Apr. 28, 2006 Saddam Hussein spent his (2nd/3rd/4th/5th) birthday in a row benind bars

The 65th member of the Asian Develop-

ment Bank.

The name of the convict in 'Les miserables'

Ektasthal is the samadhi of

The Chief Minister who bagged 94% of the votes polled in a byelection in Apr. '06

Around \$0,000 illegal immigrants enter U.S.A each year. Most of them are from The British writer and military strategist

known as Lawrence of Arabia

How long did the Kon-Tiki take to sail from Lima to Tahiti?

The film in which we see the lawyer Alticus Finch?

Who won Emmy Awards for TV serial 'All in the Family'?

What is Indian Paintbrush- a brush / a toothbrush/a jungle/ a plant?

Who among these was Congress President: a. C.F. Andrews b. Henry Cotton c. Stafford Cripps d. Lord Louis Mountbatten

Meher Baba observed silence for the last how many years of his life?

The Charles Dickens work in which the character Scrooge is seen

What is GINA'? Global Initiative for The first farmer to take the reins of India's largest food business, GCMMF S.Y. Quraishi is one of the Election Com-

missioners. True or False?

G.P. Koirala was sworn in Prime Minister of Nepal in April, 2006 for the (second/third/fourth/fifth) time.

Where is the 911/4-mile-long St. Sotthard tunnel?

Which traveller did Rustichello help to write the tale of the travels?

Pepsi-Coke World

The combined annual turnover of PepsiCo and Coca-Cola in India is Rs.7,000 crore.

- 530. Luzon is the largest island of which country?
- 531. The fictional village in Gabriel Garcia Marquez's "One Hundred Years of Solitude"
- 532. The IRA man who died in the Maze Prison in North Ireland in 1981 after a 65-day hunger strike
- \$33. Who wrote the Perry Mason novels?
- \$34. Who became King of UK following the abdication of his brother Edward VIII?
- 535. Sahitya Akademi is referred to as in English.
- 536. The full name of the Alex Hailey book Roots
- 537. Who said: 'A stand can be made against invasion by an army; no stand can be made against invasion by an idea'?
- 538. IVECO is the commercial vehicle arm of
- 539. Which American State is known as 'the Natural State'?
- 540. The Tutsis of Rwanda are (a. extremely tall b. Very short c. very fat d. short and thin)
- 541. What is known as the Isle of Cloves?
- 542. Tonga (a. has a king b. is a democracy c. is a part of the Congo d. is not independent)
- 543. Bermuda is (a. a sovereign state b. is in the Pacific Ocean c. is a British dependency d. is part of Northern Ireland)
- 544. Which statement about Wales is not true?
- a. Its population is 9 m. b. Its capital is Cardiff
 c. It has a 60-seat Assembly d. It is in northern Great Britain
- 545. The non-permanent members of UN

sma Yearbook 2007

- Security Council are elected for (2 year/ 3 year /4 year/ 5-year) terms.
- 546. There have been no UN Secretary Generals from (the Netherlands/Austria/Nor-
- erals from (the Netherlands/Austria/Norway/Sweden) 547. Which country joined in the UN in 1945:
- India/Italy/Afghanistan/Eritrea?
 548. The work of which UN organ was sus-
- pended in 1994?
 549. The population of Russia is expected to
 - (a. rise by 4%, b. drop by 20%, c. rise by 25% d. drop by 33%) by 2050.
- 550. The UN General Assembly voted to admit the Beijing government in the year
- 551. With which region do we associate the Polisario front: (a. Myanmar b. Southern Spain c. western Ethiopia d. West-
- ern Sahara) 552. King Zog I ruled this country from 1925
- to '39
 553. The Tripitaka is the sacred text of which
- religion?
 554. The Pope's temporal title
- 555. The UN has a post office originating its own stamps. True or False?
- 556. The headquarters of the OPEC are in 557. Which organisation has its headquar-
- ters in Georgetown, Guyana?

 558. Nisan, Iyar and Sivan are (a. cars b. cit-

both EU and NATO

- ies in Japan c. months of the Jewish calendar d. gods worshipped in ancient
- Babylon) '
 559. DCA is the code for which airport?
- 560. JAT is the airline of which country?
 561. 'The Scream' was stolen in Aug. 2004.
- Whose masterpiece is it?
 562. What is common to the these athletes:
 - Constantina Dita-Tomescu, Paula Radcliffe and Catherine Ndereba?
- 563. The Chaco War of 1932-35 was fought between
- 564.Eminent physicist Stephen Hawking is disabled by ALS. What is ALS? 565. The American form of pocket billiards is
- known as
 566. The element Fermium is named after
- 567. Which tiles in scrabble have the highest value?
 568. The American First Lady Laura Bush has
- a Master's degree in 569. Who was French Open Singles cham-
- pion from 1978 to 1981? 570. The company whose chemical plant in
- Bhopal had a disastrous gas leak in 1984. 571. Hungary is (a. a member of both EU
 - and NATO, b. a member of EU but not NATO c. a member of NATO d. a member neither in EU nor in NATO)

Answers:509. Nepal = 510.3rd = 511.Brunei = 512.Jean Valjiean = 513.Zail Singh = 514.Ghulam Nabi Azad = 515.Mexico = 516. Thomas Edward Lawrence = 517.101 days = 518.To Kill a Mockingbird = 519.Norman Lear = 520. a plant = 521.b = 522.44 = 523.A Christmas Carol = 524.Asthma = 525.Prathibhai Bhatol = 526.True = 527.fourth = 528.Switzerland = 529.Marco Polo = 530.Philippines = 531.Macondo = 532.Bobby Sands = 533.Erle Stanley Gardner = 534.George VI = 535.Indian National Academy of Letters = 536.Roots: The Saga of an American Family = 537.Victor Hugo = 538.FIAT = 539.Arkansas = 540.a = 541.Zanzibar = 542.a = 543.c = 544.d = 545.2-year = 546.the Netherlands = 547.India = 548.Trusteeship Council = 549.b = 550.1971 = 551.d = 552.Albania = 553.Buddhism = 554.Sovereign of the State of Vatican City = 555.True = 556.Vienta = 557.Caribbean Community and Common Market, CARICOM = 558.c = 559.Washingsin = 560.Yugoslavia = 561. Edvard Munch = 562.Marathonists = 563.Bolivia and Paragenta = 564.amyotrophic lateral sclerosis = 565. pool = 566. Enrico Fermi = 567.C

each # 568.Library Science # 569.Bjom Borg # 570.Union Carbide # 571

HERAL KNOWLEDGE

ne Economics of Innocent Fraud' is hored by (a. P.A. Samuelson b. J.M. (nes c. I.K. Galbraith)

e singer who won a Grammy for his .eft My Heart in San Francisco"

e world's largest city during 775-935. nich of these countries has a flag very nilar to the indian flag: Malaysia / leria/ Maldives/ Hungary?

e first official chess world champion hat game did Alfred Butts invent in 49?

What brought the name of K. ryanarayana to the headlines in April, 106?

In appeared in Time magazine's wer-list of '100 people who shape our orld', for using advanced technology e smart cards to dispense loans to ousands of Indians?

ne British author Madeleine Wickham's an name

'he first India-Pakistan bus service 999) was between which two cities? Ulianz AG is Europe's largest

he former Japanese premier who was secuted in Tokyo in 1948

hina has about million Catholics /hich Indian State is the worst-affected / malnourishment among children, :cording to UNICEF?

Vho succeeded Soviet leader Leonid rezhnev?

Diplomatic relations between the atican City and Britain were broken off 1531 after Henry VIII's

he College of New Jersey founded in 746 evolved into what in 1896?

/ho is Emanuel Lasker? a. Czech adinturer/b. an Austrian swimmer/c. an Italian tennis player/d. a German chessmaster.

 The English cricket captain who was given the initials MCC deliberately by his father

Millionaires of Britain

It is estimated that out of the 376,000 millionaires in Britain, 172,960 are females.

- 591. The top three car makers in Japan
- 592. The Indian who sold his product door to-door in 1969 and became the 'deter gent king'
- 593. Gro Harlem Bnundtland was Prime Min ister of her country three times. Namthe country.
- 594. The Christian church calls the fundamen tal vices that underlie all sinful action (five / seven/ ten/ twelve) deadly sins.
- 595. Who introduced transformational gen erative grammar?
- 596. George Sand is the pseudonym of a woman writer. What is her real name?
- 597. Samson was a legendary hero of which tribe?
- 598. There are (3/6/12/24) pairs of ribs ir humans.
- 599. One kiloton is equivalent to the explosive power of
- 600. The four-and-a-half-year old boy to set a record of running 65 km in 7.02 hours
- 601. How long did illusionist David Blaine spend in a glass box suspended above London's Thames in 2003?
- 602. The European country with a very low birth rate that has plans to give women a year's paid maternity leave
- 603. The founder director of IIM-Kolkata
- 604. 'My heart leaps up when I behold- A Rainbow in the sky'. The poet who wrote these lines
- 605. The number of central universities in India
- 606. The number of people worldwide suffering from diabetes
- 607. What is known as the 'British FBI'?

The average size of cells, of which plants and animals are composed.

Who gives the status of 'deemed univer-

- sity 'to an institution of higher learning? The Polish composer who lived with
- novelist George Sand for about 10 years. What is common to Olof Palme, Carl Bildt and Ingvar Carlsson?
- Irfan Pathan is (a. a graduate in Arts b. yet to appear for his 12th class exam c.
- an engineer d. doing his B.Sc.
- . The name of lagdish Khattar reminds us of which of these products: (a. a fan
- b. a computer c. a saree d. a car)
- . Stereometry is the science of measur-
- ing what? . Actress Fatima Rashid is known to us as
- . The classic pocket watch 1907 -Turbillions and Grandstrike sells for Rs.
- 3.6 cr. in India. Who makes it? Labyrinthitis is an inflammation of the
- . How many countries recognise Taipei
- rather than Beijing? . Forbes magazine's estimate of the wealth of Saudi King Abdullah, who tops the
- list of 'Kings, Queens and Dictators'. . Which of these is a German engineer-
- ing conglomerate and truck maker: Heineken/MAN/Praxair/Doosan?

- 621. India's first all-sports satellite radio chan-
- 622. Mahendra Chaudhry was the first ethnic Indian Prime Minister of
- 623. Which country has a woman Defence Minister: France /US/ UK?
- 624. Elton John's song that became a funeral hit
- 625. The first woman to hold the post was a Canadian by name Ms. Louise Frechette. What is the post?
- 626. He did it first at the age of 40 and then again at the age of 77. Who is this Amencan space hero?
- 627. The Prime Minister to be included in People magazine's list of the 50 Most Beautiful People in the world.
- 628. Bonnie was the name given to the offspring of world -famous sheep named
- 629. How much did the tiny territory of Hong Kong add to Chinese GDP at reunion with China in 1997?
- 630. Who was anointed by A.B. Vajpayee as the 'Lakshman' of BIP?
- 631. Who piloted the first private flight in India between Karachi and Madras in 1932?
- 632. Lusaka Protocol refers to the end of civil war in

Answers: 572.c = 573.Tony Bennet = 574.Baghdad = 575.Hungary = 576.William Steinitz 577. Scrabble # 578. He was abducted and killed by Taliban in Afghanistan # 579. Vikram Akula = 580. Sophie Kinsella = 581. Delhi and Lahore = 582. insurer = 583. Hideki Tojo = 584.12 a 585.M.P. = 586.Yuri Andropov = 587.divorce = 588.Princeton University = 589.d , 590.Michael Colin Cowdrey = 591.Toyota, Honda, Nissan 🛭 592.Karsanbhai Patel = 593.Norway # 594.seven # 595.Noam Chomsky # 596.Aurore Dudevant # 597.Dan # 598.12 a 599.1000 tons of TNT a 600.Budhia Singh a 601.44 days a 602.Germany a 603.K.T. Chandy = 604.William Wordsworth = 605.20 = 606.171 m. = 607.The Serious

Organised Crime Agency a 608.0.01 to 0.1mm a 609.UGC a 610.Frederic Chopin a 611.Former Prime Ministers of Sweden # 612.b # 613.d # 614.volume # 615.Nargis #

616.Breguet = 617.Inner ear = 618.25 = 619.\$21b = 620.MAN = 621.PLAY = 622.Fiji = 623.France # 624.Candle in the Wind # 625.UN Deputy Secretary General # 626.John Glenn; 627.Tony Blair 🗷 628.Dolly 🗷 629.20 per cent 🖪 630.Pramod Mahajan 🗷

- 672. The Asian country unified in 1976
- 673. Which important national body came into existence on March 15, 1950?
- 674. How old was Shivaii when he died?
- 675. Thojib Suharto was the second president of
- 676. Donald Duck first appeared in Disney's 677. The epic poem 'The Light of Asia' is about (Tagore / Gandhiji/ the Dalai Lama/ the Buddha)
- 678. The celebrated naval commander who lost an eye and an arm
- 679. Prada is a big name. In which business?
- 680. Say True or False: Meryl Streep, one of the world's best actresses, can sing.
- 681. What happened in the sea of tranquility on July 20, 1969?
- 682. Of which band is actor Roopa Ganguly a member?
- 683. Michael Manley was a political leader of which country?
- 684. What replaced the call sign CQD as an international distress signal?
- 685. With which attack is the name Isoroku Yamamoto associated?
- 686. Mozambique's founding President who died in an air crash in 1986.

- 687. There is no traffic light in (Ethiopia/Italy/ 8hutan/ Eritrea).
- 688. Whose works are 'The 8rainfever Bird' and 'Red'?
- 689. President Reagan was shot and wounded in 1981. Name another VIP who had the same experience in that vear?
- 690. The former US Secretary of State who appeared in an episode of 'Gilmore Girls'
- 691. Who was once the world's youngest king? He is an Asian.
- 692. The number of countries that participated in the first Asian Games
- 693. The French industrialist who built the first factories for mass production of rubber tyres.
- 694. 'Autopilot' is also called
- 695. Caliban is a character in Shakespeare's 696. 'Global village' is an expression coined by
- 697. Another name for lady's finger is
- 698. The only athlete to hold world records at 800 metres, 1000 metres, 1500 metres, and mile simultaneously.
- 699. Who among these was an artist: a. Frida Kahlo b. Alva Myrdal c. Eva Peron d. Simone de 8eauvoir?

Answers: 633. May 11 = 634.Dec. 9, 1946 = 635.Rs.40,000 = 636.Council of States = 637. Goa = 638. Kerala = 639. Tamil = 640. Dr. Rajkumarand Naushad Ali = 641. New Zealand = 642. The Capitol = 643. Postage Stamps = 644. Austria = 645. Galaxies = 646. San Francisco; 647.d a 648. False a 649. Germany a 650. Susan, Sofia and Judith Polgar a 651. King George l of Greece # 652.Citizen Kane # 653.Salman Rushdie # 654.J.K. Galbraith. # 655.Japan and S. Korea = 656.Monrovia = 657.John F. Kennedy = 658.59 years = 659.The Salvation Army = 660.Fidelity = 661.Sister Sudha Varghese = 662.Rome = 663.Helen Armstrong whose professional name was Dame Nellie Melba = 664.fourth = 665.cricket ace C.K.Naidu = 666.Singapore = 667.Physicist = 668.'Children of Midnight' = 669.David Mamet = 670. Andre Agassi and Steffi Graff # 671. Rainbow Warrior # 672. Vietnam # 673. Planning Commission = 674.50 = 675.Indonesia = 676.The Wise Little Hen = 677.the Buddha = 678. Horatio Nelson # 679. Fashion # 680. True # 681. Man landed there for the first time 682.Crazy Cousins = 683.Jamaica = 684.SOS = 685.attack on Pearl Harbour = 686.Samora Machel = 687.Bhutan = 688.Allan Sealy = 689.Pope John Paul II = 690.Madeleine Albright = 691.Jigme Singye Wangchuck of Bhutan = 692.11 = 693.Andre Michelin # 694.robot pilot # 695.The Tempest # 696.Marshall McLuhan # 697.Okra # 698. Sebastian Coe # 699.a

- 700. The Portuguese prince noted for his patronage of voyages
- 701. The only woman to become CM of Orissa
- 702. The arms manufacturer Krupp's factories in were founded in the early 19th century.
- 703. The Ethiopian Emperor who ruled for 44 years
- 704. Mimesis is the imitation of in art, literature, etc.
- 705. 'Policy cannot be succeeded through speeches and songs; it can only be carried out through blood and iron'. These are the words of
- 706. President F.D.R. Rossevelt's wife Eleanor was a niece of '707. 'Phenomenology of the mind' is a doc-
- trine associated with which philosopher?
 708. The standardised exam that tests profi-
- 708. The standardised exam that tests proficiency in Chinese, similar to TOEFL for
- 709. Which African capital was formerly known as Bathurst?
- 710. The two Indians on whom Tata Institute of Social Sciences conferred the degree of doctor of literature in May, 2006
- 711. Backgammon is a (a. spice b. snake c.game d.colour)
- 712. The annual salary of British Prime Minister Tony Blair
- 713. The lowest paid leader of the 13 European countries surveyed by Hay Group in May '06
- 714. In a CNN-IBN online poll in May '06, A.P.J. Abdul Kalam was voted the biggest icon in Tamil Nadu. Who won the second spot?
- 715. Lilian Gertrud Asplund died at 99 in May 2006. What makes her unique?
- 716. Where was Princess Elizabeth today the British Queen - when her father King George VI died in 1952?
- 717. Innsbruck, the winter sports centre in Austria, is on which river?

· Most Corrupt

According to Transparency International's Corruption Perceptions Index, 2005, the most corrupt countries were Chad and Bangladesh. The least corrupt was Iceland.

- 718. Teddy bears get their name from
- 719. Alexander the Great became King of Macedonia at the age of
- 720. Rene Koty was President of
- 721. The age at which British admiral Horatio Nelson joined the navy
- 722. A piece of metal pipe filled with an explosive used to clear a path of barbed wire. It has an Indian city in its name.
- 723. The cushion of a billiard table is called (bank/ shoe/ pad/velvet).
- 724. The two brothers who authored 'Grimm's Fairy Tales'
- 725. What was offered by King George II of Britain to Robert Walpole, the first Prime Minister as a gift?
- 726. Marduk was (an Abyssinian/ a Syrian/ a Babylonian/ a Japanese) god.
- 727. How old was Anshul Khosla when he won the Best Script award for 'Love Changes Everything' in May 2006 at Toronto?
- 728. The ship that the French Government recalled owing to protests by India over its toxic contents.
- 729. The largest sports federation for the mentally challenged in India
- 730. The number of Indian rural households without electricity.
- 731. The musician who had 20 children, three of whom became famous musicians
- 732. Of which great leader was Ann Rutledge allegedly the fiancee?
- 733. Who is the author of 'Freedom is not Free'?
- 734. Thanksgiving Day is the fourth Thursday in November, for USA, in Canada it is the second

е

.17 30

11 30

- was British Prime Minister after ld Macmillan?
- at is special about Punta Arenas? ch of these words means 'red': rushy,
- ous, rudd, rummy?
- Roman number XXC is equal to
- t in Arabic numeral? ce Age is thought to have begun *
- with the launching of the
- sputnik on e 1960s' TV series in which bottle-
- e dolphins starred
- e first non-Italian pope Adrian VI was
- n (Dutch/English/German/Portuguese). iam' in Hebrew means
- zero population growth, the birth-
- e equals the
- ie country with biggest HIV caseload
- m. infected people ow long is the Aswan High Dam in
- ypt?
- law, the unlawful use of any physical
- rce on someone else is called (cell/bat-
- ry/lightning/blow)
- ow many members make an absolute ajority of the UN states?
- Who composed the memorable

- 'Zindaqi' song 'sola rajkurnari' and who sang it?
- 749. The largest producer and consumer of coal in the world
- 750. The three countries sometimes referred to as the East Asian big three
- 751. The woman who was a member of Asia's
- first elected communist government
- 752. The sports goods firm that sponsored 12 of the 36 countries in Soccer World Cup 2006.
- 753. Who was given the Nobel Peace Prize along with Anwar Sadat of Egypt?
- 754. Oscar Wilde's last play
- 755. The English novelist who was interested in Indian philosophy and religion and translated the 'Bhagavadgita' with Swami Prabhavananda
- 756. George Bernard Shaw's romantic comedy 'Pygmalion' was first produced in which language?
- 757. Alfred Hitchcock made a classic film 'Birds' based on a short story written by
- 758. The story of John Keats 'Isabella' is drawn from
- 759. The great inventor who was professor of vocal physiology at Boston University

wers: 700.Henry The Navigator a 701.Nandıni Satpathy 🔹 702.Essen 🛪 703.Haile ssie I = 704.nature = 705.Bismarck = 706.President Theodore Roosevelt = 707.Hegel 08.HSK = 709. Banjul, capital of Gambia = 710 Baba Amte and Ratan Tata = 711.c = . 268,500 euro 🛊 713. Slovakia 🛊 714. Rajinikant and A.R. Rahman 🛊 715. She was the 🤾 US Titanic survivor # 716. Holidaying in Kenya # 717. The Inn river # 718. US President

odore Roosevelt # 719.20 # 720. France # 721.12 # 722. bangalore torpedo # 723. bank 24. Jacob Grimm and Wilhelm Grimm » 725. No. 10 Downing Street » 726. Babylon ...

^{27.9 = 728.} Clemenceau = 729. Special Olympics Bharat = 730. 78 m. = 731. h = 732.Abraham Lincoln = 733.Shiv Khera = 734.Monday in October uglas-Home # 736.the world's southernmost city # 737.rubious # 738.80 1957 = 740. Flipper = 741. Dutch = 742.man = 743. death rate = 741.

^{745.} About 5 km. # 746.battery # 747.97 # 748.Pankaj Mullick pectively = 749. China = 750.China, Japan and Korea = 751. K.R. 52.Puma # 753.Menachem Begin of Israel # 754.The Impor-

^{5.}Christopher Isherwood 🛽 756.German 🛪 757. Dame 🛚 caccio's 'Decameron' * 759.Alexander Graham Bell

754 GENERAL KNOWLEDGE

- 760. The Frenchmen whose hot-air balloon made the first manned flight in 1783 are known as
- 761. COMECON, founded in 1949, had its headquarters in
- 762. Finger spelling is used by (a. the blind b.the deaf and dumb c. the army d.the coastguards)
- 763. CL is the auto registration mark of which country?
- 764. In May, 2006 who became Chief Minister of a State for the fifth time?
- 765. Ben Jonson wrote the comedy 'Every Man in His Humour'. Who wrote 'Every Man Out of His Humour'?
- 766. A cup of tea contains about per cent as much caffeine as a cup of coffee
- 767. 'Proud Volta of my ancestors' is the national anthem of
- 768. The world's most sparsely settled country
- 769. The Danish physicist who explained the structure of the atom in 1913
- 770. Chihuahua is (a. a large bear b. a very small dog c. an ornamental cabinet d. a river in Cameroon)
- 771. A metric system of units based on the metre, kilogram and second (now replaced in science by \$1 units), is known by the three letters
- 772. Which GBS character was based on scholar and phonetician Henry Sweet?
- 773. The Persian god of light, truth and justice, who killed a cosmic bull whose blood was the source of all animals and plants?
- 774. A hydrated form of calcium sulphate, used for casts for broken limbs and for modelling
- 775. Prime Minister David Lloyd George called it 'the steel frame' that held the Raj together. What are we talking about?
- 776. In which work do we see the character Colonel Pickering?

River Trains

There are about 40 trains in India named after rivers in the country.

- 777. The Dubai Ports World operated India Gateway Terminals Ltd. at Kochi was formerly known as
- 77B. Match 'Blue Lady' with the appropriate item: a. Supreme Court b. James 8ond c. I8M Computer d. Norwegian ship
- 779. K.S. Krishnan was the first Director (in 1948) of which institution in New Delhi?
- 780. Michael Griffin is the Administrator of
- 781. The Indian tennis and cricket stars who are product ambassadors of Deutsche Bank
- 782. Buddenbrooks was the first novel of
- 783. The car Roger Moore drove in the film 'For Your Eyes Only'
- 784. What is CET?
- 785. Kibera is the biggest slum in which country?
- 786. Rani Lakshmi of Jhansi's original name 787. The first European to see the Pacific
- Ocean
 788. Lazlo Biro, who created the first ballpoint pen, was a Hungarian (doctor
- /preacher /scientist/ journalist).
 789. The seventh largest (in area) country in the world
- 790. The year Coca Cola was introduced
- 791. Britain's largest port is London. Which is the second largest?
- 792. Hexacosanoic acid is another name for which acid? It occurs in beeswax.
- 793. Whose words are these: 'The good thing about art is that it does not allow you to
- 794. Whom did Leon Czolgosz kill in 1901?
- 795. The Satish Dhawan Space Centre is at (a. Thiruvananthapuram b.Mumbai c. 8angalore d.Sriharikota)

- The approximate number of Indian tourists travelling abroad each year (a.250,000 b.900,000 c.1,500,000 d.3,000,000)
- 7. The plant named after the founder of Singapore Sir Stamford Raffles
- 3. Which country joined G7 to make it G8? 9. What is special about the MLA from
- Nandanpur, West Bengal who got elected in May '06?
- 0. Quinquennial is a (fifth/15th/50th/150th) anniversary
- 1. A writer began his first novel in the Channel Islands, finished it in London and saw it published in India. Name the author
- and the book. 2. The first metal used by man
- 3. Which word used in the game of chess comes from the Persian 'shah mat' meaning 'the king is dead'?
- 4. The inflation rate of 1043 per cent recorded in May '06 was the highest in
- the world. Which country?)5. French Sudan is today's (a. Malawi
- b.Sudan c. Mali d. Cameroon) 06. German actress Ursula Patzschke is the world's first
- 7. The word 'Safari' comes from which language?

- 808. Indian tourists can legitimately take out of the country how much per person per year?
- 809. Of what was the first compact disc made in 1983?
- 810. The top conservation honour won by Suprabha Seshan in 2006
- 811. A film having no sound track is a
- 812. One century ago, the day was (shorter / longer) by 0.00073 seconds.
- 813. How much interest does the IMF charge poor countries for loans?
- 814. The book that begins with the sentence 'It was the best of times'
- 815. The year Reuter founded a news agency
- 816. A cubic meter of water weighs
- 817. The film personality who was married to actress Vivien Leigh and Joan Plowright
- 818. The art movement created by Pablo Picasso and Georges Braque?
- 819. Which of these is not an independent country-Brunei, Bahrain, Bermuda, Bahamas?
- 820. V.D. Trivedi is India's first (a. commission agent b. literary agent c. surgeon d. advocate)
- 821. Which of these Marlon Brando films won the Academy Award: Julius Ceasar, The Wild One, On the Waterfront, The Godfather, Last Tango in Paris?

Karunanidhi # 765.Ben Jonson # 766.60 # 767.Burkina Faso # 768.Mongolia # 769.Niels Bohr = 770.b = 771.m.k.s. system = 772.Professor Higgins = 773.Mithra = 774.plaster of Paris = 775.Indian Civil Service = 776.Pygmalion / My Fair lady = 777.Rajiv Gandhi Container Terminal = 778.d a 779. National Physical Laboratory; 780. NASA; 781. Sania Mirza and Sunil Gavaskar 🗷 782. Thomas Mann; 783. Lotus Esprit Turbo; 784. Central European Time = 785.Kenya = 786.Manikarnika; 787.Vasco Nunez de Balboa; 788.journalist = 789.India = 790.1886 = 791.Liverpool; 792.Cerotic acid; 793.Anton Chekhov; 794.US President William McKinley = 795.d; 796.d; 797.Rafflesia; 798.Russia; 799.Bula Chowdhury is an international swimmer # 800.fifth; 801.Ruskin Bond, The Room on the Roof, 802. copper; 803. checkmate; 804. Zimbabwe; 805. c. Mali; 806. television announcer; 807.Swahili; 808.\$10,000; 809.aluminium; 810.WhitleyAward; 811.silent film; 812.shorter; 813.0.5 per cent; 814.Charles Dickens' A Tale of Two Cities; 815.1851; 816.a tonne; 817.Laurence Olivier; 818.Cubism; 819.Bermuda; 820.b; 821.On the Waterfront Godfather.

Answers: 760. The Montgolfier brothers = 761. Moscow = 762.b = 763. Sri Lanka = 764. M.

- 822. The first devaluation of the rupee after Independence was in the year
- 823. All IMF shareholders are (a. corporations b. governments c. in the developing world d. Americans)
- 824. Godspeed means a. privacy b. speed c. money d. success
- 825. Indonesia's independence from which country was formally recognised in 1949?
- 826. Annie 8esant was of which nationality by birth?
- 827. The country with a \$700 b. trade deficit. - the world's biggest in 2006: USA/UK/ Brazil/China
- 828. Where is the archaeological site Olduvai Gorge?
- 829. The first living artist in 1961 to have his works exhibited in the Louvre
- 830. Number of people who die every year worldwide from injury-related deaths, according to WHO
- 831. Which Picasso painting was sold for 95 m. dollars in May, 2006?
- 832. Who is the author of 'Kargil: From Surprise to Victory'?
- 833. World's biggest banana grower
- 834. The number of runs amassed by Vivian Richards in 1976
- 835. The charge for a minute of a mobile phone call is Re.1 today. What was the rate in 1996?
- 836. What per cent of global gold production is consumed by India?
- 837. The market capitalisation of stocks listed in 8SE in May '06 was around Rs. 35 lakh cr. This figure has a special importance. What is it?
- 838. The Suez Canal links Red Sea and
- 839. The most populous country is China.
 Which is the most populous city?
- 840. Owen Falls, the world's greatest manmade lake, is in (USA/Zimbabwe/ Canada/Uganda).
- 841. Agra is on river Yamuna. What about Lucknow?

Highest Earners

Footballer David Beckham of U.K. earned \$32.5 million and tennis player Maria Sharapova of Russia earned \$18.2 million in 2005.

- 842. Who wrote 'Speedpost'?
- 843. In 1975 National Film Award was con verted into National Film Festival with as its symbol.
- 844, Production of MIG (Russian) air force plane started in 1966 at
- 845. India's second satellite
- 846. Number of Lok Sabha seats in Goa
- 847. Number of Rajya Sabha seats in U.P.
- 848. The number of personnel in Indian Army 849. CFA franc is the currency in (Libya,
- Cameroon, 8razil, Chile) 850. India's state-of-the art Main 8attle Tank
- unveiled in 1996?
- 851. The Chief Minister assassinated in Aug. '95.
 852. Shambhu Mitra's area of work film / dance/ magic/ theatre.
- 853. The first country to adopt Christianity as its religion
- 854. The Tintin book published in the year the Dalai Lama fled from Tibet
- 855. Which of these is used to designate a document that is to be read only by a specified person a, eyesore b, eyeopener c, blind eye d, eyes-only
- 856. A flag officer is a naval officer holding the rank of
- 857. What record did Mark Inglis of New Zealand set in May, 2006?
- 858. The monarch who founded the Church of England859. Who is hero in the film The Da Vinci
- Code?
 860. A nanometre is one of the metre.
- 861. 'Employ' means (a. an employer b. the state of being employed c. an employee d. an employment exchange)

- 362. The first Indian bank to have a branch in China
- 363. She once worked as a cocktail waitress in a disco. Now she heads a government. Name?
- 864. How many HIV-infected people are believed to have died since the virus was first recognised?
- 365. Expand the initials of S.H.F.J. Manekshaw, India's first Field Marshal 366. The King Kong star and Oscar nominee who is a special representative of the UN
- 367. 'A' is used for ampere. What is the symbol 'N' used for? 368. One word for "the literary intelligentsia" 369. Which of these is of the highest rank:

in its efforts to raise awareness of AIDS

- marquis, earl, viscount? 870. Who is Mona Pruthi? B71. The European country that is not a U.N.
- member. 872. The number of women in India who
- experience pregnancy, in a year. 873. Tynwald is the parliament of 874. 'Law of the Twelve Tables' refers to a.
 - Roman law b. Greek law c. Solomon's law d. Noah's times
- 875. The Indian city that plays host to the International Kite Festival every January

- 876. The US black militant leader Malcolm X was born Malcolm
- 877. Which word means 'secret information': encounter/intelligence/code/mayday?
- 878. Plutocracy is the rule of the
- 879.'A grizzly is
- (a. a horrific thing/b. any mammal/c. a bear / d. a crocodile)
- 880. A person who makes or repairs barrels and casks is a
- 881. The word 'malapropism' has its origin in the play 'The Rivals' by (Sheridan / Shaw / Ibsen/ Shakespeare)
- 882. Which statement is true? a. 8lue light is more strongly scattered than red b. Red light is more strongly scattered than blue c. 8lue and red are the same in the scattering of light d. none of these is true.
- 883. Who headed the Truth and Reconciliation Commission that looked into crimes of apartheid in South Africa?
- 884. Greenwich is in (a. Wales b. Scotland c. England d. Ireland).
- 885. Ms. Sunita L. Williams is associated with (a. environmental campaigns b. mod-
- ern art c. space science d. seismology) 886. Welly is an informal word for
- 887. The title that is the first stage of canonization: (honourable/pious/blessed/venerable)
- Answers: 822.1949 # 823.b # 824.d # 825.The Netherlands # 826.Irish # 827.USA # 828. Tanzania = 829. Georges Braque = 830.5m. = 831. The 1941 portrait of his mistress Dora Maar with Cat = 832.Gen.V.P.Malik = 833.India = 834.1710 = 835.Rs.16 = 836.30
- 837. Very close to the country's G.D.P, i.e. Rs.35.3 lakh crore # 838. Mediterranean Sea 839.Tokyo u 840.Uganda u 841.On river Gomti u 842.Shobha De u 843.lotus u
- 844.Nasik » 845.8haskara I » 846.2 » 847.31 » 848. about 1.1 m. » 849.Cameroon » 850.Arjun = 851.Beant Singh, Punjab = 852.theatre = 853.Armenia = 854.Tintin in Tibet
- 855.d 856.rear-admiral, vice-admiral or admiral 857.the first double amputee to conquer the Everest # 858.Henry VIII # 859.Robert Langdon # 860.billionth # 861.b #
- 862.Bank of India = 863.Angela Merkel, Chancellor of Germany = 864.20 m. = 865.Sam Hormuj Framji Jamshedji = 866. Naomi Watts = 867. newton = 868. literati = 869. marquis
- # 870. The IAS topper of 2006 # 871. Vatican # 872. About 30 million # 873. the Isle of Man
- = 874. a = 875. Ahmedabad = 876. Little = 877 intelligence = 878.wealthy = 879.c = 880.cooper # 881. Sheridan # 882.a # 883. Archbishop Desmond Tutu # 884.c # 885.c.
- # 886.wellington # 887.venerable

- 888. Who was married to Joe Dimaggio and Arthur Miller?
- 889. Arrange these cities from north to south: Pune, Bhopal, Gwalior, Bhopal, Madurai, Chandigarh
- 890. Atkins is a name associated with (a. swimming b.philately c. a diet plan d. a peace treaty)
- 891. Arrange these cities from east to west: Agartala, Ranchi, Dibrugarh, Rajkot, Jabalpur
- 892. Ribier is a variety of (a. apple b. table grape c. orange d. snake)
- 893. Plassey, where the British won a decisive victory in 1757, is a village in (a. Punjab b. West Bengal c. Haryana d. Maharashtra)
- 894. "No drama" is a classic Japanese theatrical form. What does 'no' mean?
- 895. Laughing gas is another name for
- 896. The first corporatised Indian port
- 897. What is common to Kobe, Bam, Latur and Tangshan?
- 898. The American classic often referred to as 'the first dog story ever written'?
- 899. Fidelio was which composer's only op-
- 900. Who is sometimes referred to as the 'Lincoln of literature'?
- 901. The Indian Parliament (can/cannot) decide the salary of its own members
- 902. What makes Japanese entrepreneur Daisuke Enomoto famous?
- 903. Who of the following was a victim of assassins?
 - a. Charles I of England b. Jesus of Nazareth c. Leon Trotsky d. Gamal Abdel Nasser.
- 904. Minotaur is a legendary animal in Greek mythology linked to a. Helen b. Theseus c. Ulysses d. Andromeda
- 905. Which car in Spanish means 'charming'?
- 906. What activity unites Sirhan Sirhan, Lynette Fromme, K.C.S. Moni and Mehmet Agca?
- 907. The temperate grasslands of S. America

Cars Per 1000 People

Luxembourg with 576 is at the top. It is followed by U.S.A. - 476; Somalia - 0'.1; Tajikistan - 0.1

- are known as a. Terai b. Steppe c. Savannah d. Pampas
- 908. The 26th Amendment of the Constitution relates to the a. banning of cow slaughter b. cancellation of Privy purses c. banning of caste privileges d. reorganisation of states.
- 909. In Rocky films, what is Rocky's surname?
- 910. The operations of Delhi airport were taken over from Airport Authority of India in May, 2006 by
- 911. Where is Infosys Technologies planning to develop a training facility to train 9,000 personnel at one place?
- 912. On what is Bill Clinton going to write a book, in a deal with publisher Alfred A. Knopf?
- 913. Which countries are parties in the TAP gas pipeline project?
- 914. One-third of this body's members retire every second year, a. Lok Sabha b. Supreme Court c. UN General Assembly d. Rajya Sabha
- 915. What is common to Taj Mahal, Rock Shelters of Bhimbekta and Kaziranga National Park?
- 916. The fairytale character whose nose would grow larger each time he told a lie
 - a, Peter Pan b. Cinderalla c. Rumpelstiltskin d. Pinocchio
- 917. In BHEL, 'H' stands for
 - a. Handicrafts b. Handicapped c. Heavy
 - d. Himalayan
- 918. The oculomotor nerve controls the muscles of the
- 919. With whom did Ismail Merchant collaborate to make a new genre of films?

934. Death of a veteran actor who was a

935. On May 18,2006 the Sensex plummeted

936. The world's largest public company

937. In a love set in tennis, the loser (wins)

938. Which Naseeruddin Shah film deals with

the world of the visually impaired?

939. The Crown Prince who shot dead mem-

940. The Kennedys are of USA, the Kenyattas

942. 8ob Hunter was co-founder of (a. Amnesty International b. Red Cross c.

League of Nations d. Geenpeace)

943. Fortis is the biggest financial-services

bers of the Nepal royal family in 2001.

are of Kenya and the Kabilas are of which

in 2005. Name the person.

loses) no games.

country?

company in

director, dancer and singer and three

times national award winner, occurred

826 points. What was special about it?

- 920. A suspension bridge that hangs from chains is a
- 921. Janaki Amma was India's second 922. The only film director to have been
 - awarded the Sharat Ratna
- 923. 8ank of Aydhya is the sixth-largest lender
- in which country? 924. The Char Dham excursions cover
- Gangotri, Yamunotri, and 925. The youngest boxer, at 21, who took
- the world heavyweight title in 1956. 926. The ashes of Netaji were kept at the
- Renkoji temple in Mukherjee Commission said it is not his. 927. In which organ of the body is the pineal
 - gland?
- 928. The maximum North-South distance in
- 929. Among the following which has the highest population: Sikkim, Manipur,
- Mizoram, Arunachal? 930. Areawise, which is the smallest:
- Meghalaya, HP, J&K,Goa? 931. A8N Amro is a banking giant (Dutch/German/American/Swiss)
- 932. Get out, Damned One is his fourth novel. Who is the author?
- 933. The former R8I Governor who was Director of London School of Economics

946.Chandigarh = 947.Balbir Singh = 948.Korea

state is

941. The venue of the 1936 Olympics

- 944. India's second biggest state, areawise 945. Population wise, the second biggest 946. The smallest Union Territory, areawise
 - hockey player? 948. Koguryo is an ancient kingdom of which country?

947. Who has been chosen the best Sikh

- Answers: 888. Marilyn Monroe = 889. Chandigarh, Gwalior, 8hopal, Pune, Madurai = 890.c ■ 891. Dibrugarh, Agartala, Ranchi, Jabalpur, Rajkot ■ 892.b ■ 893.b ■ 894.talent or skill ■ 895.nitrous oxide ■ 896.Ennore ■ 897.suffered major earthquakes ■ 898.Jack London's 'The Call of the Wild" = 899. Beethoven = 900. Mark Twain = 901.can = 902. He is the 4th space tourist = 903.c = 904.b = 905.Matiz = 906.all are failed assassins = 907.d = 908.b
- 909.8alboa = 910.Delhi International Airports Ltd. = 911.Mysore = 912.citizen activism and service = 913. Turkmenistan, Afghanistan, Pakistan = 914.d = 915. World Hentage Sites 916.d = 917.c = 918.eyeballs = 919.james ivory = 920.catenary bridge = 921.woman high court judge = 922.Satyajit Ray = 923.Thailand = 924.Badrinath and Kedamath = 925.Floyd Patterson = 926.Japan = 927.brain = 928.3214 km. = 929.Manipur = 930.Cc3
 - = 931.Dutch = 932.Saddam Hussein = 933.I.G. Patel = 934. P. Bhanumathi = 935.its كانتيات one-day fall in points = 936.Exxon Mobil Corp. = 937.wins = 938.'Sparsh' = 939.D = 940.the Congo = 941.8erlin = 942.d = 943.8elgium = 944.M.P. = 945.M.

- 949, Roshan Khan was a legend in what?
- 950. The year Dadra and Nagar Haveli was occupied by India
- 951. Khammam is one of the districts of (U.P/ M.P./A.P/H.P)
- 952. The world's biggest metals bourse
- 953. When Pakistani field hockey player Feroze Khan died at 100 in 2005, he was world's oldest
- 954. Invention of what is credited to lack S.
- 955. The role of Honey Rider was played by Ursula Andress in which film?
- 956. The special mobile phone number which was auctioned for 10 m. riyals in Qatar in May, '06.
- 957. The practice of eating earthy substances such as clay
- 958. The goddess representing primeval emptiness, in earliest Greek mythology
- 959. Argentine statesman Juan Peron's second wife was Evita Peron. Who was his third wife?
- 960. Whist and cribbage are (a. pianos b.card games clinsects diterms in golf
- 961. Latvia, Lithuania and Estonia are called the 962. Boris Pasternak's novel Dr. Zhivago was
- published in which country in 1957? 963. What is common to the capital of
- Penang state (Malaysia) and the capital of Guyana? 964. The abbreviation for the inscription 'Jesus
- of Nazareth King of the Jews' written in Hebrew, Greek and Latin placed on the cross upon which Jesus was crucified.
- 965. A natural disaster that occurred on 18 Apr. 1906.
- 966. Who led Iran's Islamic revolution?
- 967. The Colombian-American singer who lost her mother, aunt, and grandmother to breast cancer and declared a war on the disease and died of the disease
- 968. What is Jatiyo Sangsad Bhaban?
- 969. Someone from Latin America who has settled down in the USA is called a

- 970. The English actress who bore Kir Charles II two sons
- 971. Mythology: Storm gods who mad thunderbolts for Zeus
- 972. The number of nuclear warheads po sessed by the U.S.
- 973.'Frugivorous' means: a. frugal b.fruit-ea ing c.poisonous d. of monks 974. 'On easy street' means a. living an in
- moral life b. difficult c. well-to-do doing small business 975. Ernest Siemens installed the first tel
- graphic line between Frankfrut an in 1849. 976. Which word means 'an error': slop/slime
- skid/slip-up 977. The world's most popular sport
- 978, 'Around sourcing' has replace outsourcing. Who coined the terr 'around sourcing'?
- 979. Number of policemen per 1000 peopl in India.
- 980. Podgorica, the capital of Montenegro was known from 1948 to 1992 as 981. Fiction: the boy who runs away to
- 'Never-Never Land' and never grows up 982. A ductule is (a. a small duct. b. a big duc c. a ductless gland d. a disease of ducks
- Eagleberger created the world's first 984. The youngest Indian to enter the inter national chess rating list

983. In 1954, George Devol and Jo

- 985. Kapil Dev's full name 986. In Oct. 2002, LTTE leader Velupilla Prabhakaran was sentenced to rigorou imprisonment for how long?
- 987. The millennium's first new nation
- 988. The unit of weight for precious stones equal to two milligrams
- 989. The original TV Superman
- 990. The division of the psyche, according to Freud
- 991. Which word means 'a detective': spear head/sleuth/slider/sloth?
- 992. Who is Prince Henrik of Denmark?

993. Nuku'alofa is the capital of 994. World's first cloned dog

995. The infectious disease visceral leishmaniasis, found in South Asia and the Mediterranean,

is more known by the name 996. 'No Name' is in erstwhile Yugoslavia. What is it?

997. Tiger Wood's Masters win in 1997 was the first for a

Italian Buon giomo

Lithuanian Labas Rytas

Latvian Labrit

998. A flagon is (a. a container for liquids b.

a small flask with a stopper c. a large fan d. a protein)

999. The Nobel Peace Prize winner

Prince of Darkness?

whose memoir is titled 'Iran Awakenina' 1000. Which of these is an island: Prince of Wales/P rince George/ Princess Royal/

Answers: 949.Squash = 950.1954 = 951.A.P. = 952.London Metal Exchange = 953.Olympic medal winner 2 954.microchip 2 955.The first James Bond movie Dr.No 2 956.6666666 a 957.geophagy a 958.Chaos a 959.Isabel Peron a 960.b; 961.Baltic states ■ 962.ltaly

963.Both are called Georgetown

964.INRI

965.San Francisco earthquake 966.Ayatullah Khomeini = 967.Soraya = 96B.Bangladesh's National Assembly = 969.Latino = 970.Nell Gwyn = 971.Cyclops = 972.10,000 = 973.b = 974.c = 975.Berlin 976.slip-up = 977.football = 978.Thomas L.Friedman = 979.1.2 = 980.Titograd = 981.Peter Pan # 982.a # 983.industrial robots # 984.9-year-old Parimarjan Negi, Apr. 2002, 81/3-year-old N. Srinath, Aug.2002 = 985.Kapil Dev Ramlal Nikhanj = 986.200 years = 987.East Timor # 988.point # 989.George Reeve # 990.the ego, super ego, the id # 991.sleuth # 992.Queen Margrethe Il's husband # 993.Tonga # 994.Snuppy # 995.Kala azar 🛮 996.A pop group in Montenegro 🛥 997.black player 🛎 998.a 🖼 999.Shirin Ebadi 🛥 1000.Prince of Wales.

GREETINGS

How They Say Good Morning in European Countries

Czech Dobre ran	Slovak Dobre rano
Danish God morg	n Slovene Dobro jutro
Dutch Goedemon	gen Spanish Buenos dias
English Good mor	ring Swedish God morgon
Estonian Tere honn	ikust
Finnish Hyvaa lui	menta More Forms of Greetings
French Bonjour	
German Guten Mo	gen Namaste/Namaskar Hir

Hindi Ahlan wasahlan Arabic Greek Kalimera Vanakkam Tamil Hungarian Jo reggelt .

Namaskaram Malayalam ZdravstvuyityeRussia Assalm-u-alaikum Urdu

Nin hao Mandarin Maltese L-Gliodwa t-Tajba Sat 5ri Akal Polish Dzien dobry Portuguese Bom dia Nomoskar

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Aaron, Hank (b.1934): US baseball player, originally Henry Louis. Career home runs: 755; Extra-base hits: 1477; Runs batted in: 2297.

Abdullah, Shelkh (1906-'82): Indian political leader and founder of National Conference. Chief Minister of Jammu & Kashmir.

Abu Bakr (573-634): Muslim leader, first caliph, chosen successor to Mohammed.

Abul Fazal (1551-1602): Persian scholar and writer, patronised by Akbar.

Achebe, Chinua (b.1930): Nigerian novelist. Arrow of God.

Acheson, Dean (Gooderham) (1893-1971): American lawyer and statesman, Secretary of State. Promoted Marshall Plan and helped to establish NATO.

Acton, John (1834-1902): British historian who authored the adage "power tends to corrupt and absolute power corrupts absolutely".

Adams, Gerry (b.1949): President of Irish Republican Army's political wing Sinn-Fein.

Adiseshalah, Malcom (1910-'94): Indian educationist and economist who was the Vice-Chancellor of Madras University and Deputy D-G of UNESCO. Padma Bhushan.

Adler, Alfred (1870–1937): Viennese psychologist who introduced inferiority complex.

Advanl, Lal Kishinchand (b.1927): India's Deputy Prime Minister from 2002 to 2004. Union Minister for Information, Mar. '77- July '79. Home Minister, 1998-2002. Bharatiya Janata Party President since 2005, a post he had held until 1998.

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Akbar (1542-16 (1556-160 extended India, Proshowed a Christians

Akila: **'88):** No

Albermathen Joined 'panyin civiliz India

At Gree of M

Manorama Yearbook 2007

Egypt; founded Alexandria; penetrated ; died at Babylon.

fred The Great (249-899): King of ex who became a national figure of Erit-

i, Aruna Asaf (1909-96): Indian freefighter, Mayor of Delhi, 1958. A devoted ist, radical în îterviews. Eharat Ratha, 197. i, Muhammed (Originally Cassius cellus Clay) (b. 1942): American cufamous for his unorthodox style and iful personality. First boxer to win the /-weight title three times.

i, Salim (1896-1987): Indian cmigist, known as "The Birdman of India".

f a Scarrow.

lende, Salvador 19-73): Chilean man; elected Fresi-(1970), becoming rst Marxist head of nmentin S. America. nbani, Dhirubhai rajlal Hira-chand)

2 - 2002): Incian industrialist. Raliance tries that he set upis India's largest pritector company. Sons Mukesh Ambani Anil Ambani now head the Reliance

tanies.The latter is Rajya Sacha M.F. 2004.

nbedkar, Bhimrao Ramji (Dr.) 1-1956): Indian jurist, social worker, dan, writer, educationist. Emandipator a 'untouchables' and crutader for social e. Brafted the Incian constitution. Minin Nehru's cabinet. Eharat Ratha in 1990.

nin, Idi (1925-2003): Fresident of ica (1971-79). One of modern Africa's :est dicators. Overstrown.

mpere, Andre Marie (1775-1236): at physicistaties when the unit of elec-Literat is named.

mrit Kaur, Zajkumari (1227-1964): in freedom florter. Health Minister in the ru Caciner

Amritraj, Vijay (b. 1953): Inclass Captain to Davis Cup from 1982. Only player to win Hail of Fame Tennis thrice. Actor in moilywood movies and TV serials.

Amte, Murlidhar Devidas (Zaba Amte) (b. 1914): Indian social activist, best known for his work among leprosy patients. Awards: Magsaysay, Templeton, Padma Victorian.

Amundsen, Roald (1872-1928): Nor-Megian explorer, first to reach South Pole (1971).

Anand, Dev (b.1922): Evertreen Indian film star, with the longest period as hero.

Anand, Dr. Mulk Rej (1905-2004): 1dian author, novelist, entic who wrone în English. Pacma Enushan; Untsuchable, Corile.

Anand, Visvanathan (b. 1969): Cordmaster. World Nic. Tim speed chest, Youngest Asian to win International Master's title Wor. 3 National championships two omes each. Eest Kasparty and Karpoy Aruna award, Padmachri, Rajiv Canchi Khel Ratha aviaci.

Anderson, Hans Christian (1865-75): Danish fairy-tale untar, novelot, playwright and scet

Anderson, Marian (1897-1993): American contratts, who dicheered acceptance of black singers in concert and opera יווררלב

Accireus, Charles Freez (1871-1940): Enclishmen who accords India as his name, and worked with Canoni. Known as 'Deenacanchu'.

Augstrom, Anders Jonas (121474): Swedish physicist who fourced the science of spectroscopy. The angistrum unit of measurement is named after nim.

Annačurai, C.N. (1909-'69): Most accular Chief Winister (1967), of Tamil Macu, and eminent writerin Tamil, Formed Dravida Munnets Kattakam.

Arman, Kofi (5.1922): Charaian-com

IN Secretary General since 1997. Nobel dze, 2001.

Anne, Queen (1665-1714): Queen of Sreat Britain and Ireland. (1702-1714)

Antonioni, Michelangelo (b.1911): talian avant-garde motion-picture director and screenwriter, whose tilms are known for heir faunting images of human isolation. Ossar, 1995.L'Assentino

Antonius Marcus (Mark Antony) (c. 13-30 B.C.): Roman politician and general; rinmvir. Fell in love with Cleopatra; commited suicide.

Antony, St. (c. 251-356): Father of Christian monasticism and tounder of religions community life.

Au, Tallmeren Dr. (1916-'98): First captain of independent india's Olympic football team.

Aquinas, Thomas St. (c. 1225-'74): italian theologian and scholastic philosopher.

Arafat, Yasser (1929-2004): (Mohammed Abdel-Raouf Arafat al-Oudwa al-Husseint). Polestinian President until death. Leader of PLO from 1968; Mared Nobel Peace Prize, '94.

Archer, Thomas (1668-1743): Bilthin architect. Practitioner of Baroque style.

Archimedes (287-212 B.C.): Greek mathematician and engineer. Known for Archimedes Principle, invented Archimedean sciew.

Aristotic (384-322 B.C.): Greek teacher and philosopher, pupil of Plato, tutor to the young prince Alexander of Macedon.

Armstrong, Louis 'Satchmo' (1900-71): American Jozz trumpeter, and singer, a popular entertainer of 20th century

Armstrong, Nell (b. 1930): American astronaut, the first man to set foot on the moon, (Apollo XI mission) 21 July 1969.

Arnold, Mathew (1822/88): English poet and cutic. The Scholar Gypsy.

Arundale, George Sydney (1878-1945): An Englishman who adopted India as his home. Advocate of national education and the Swadeshi movement. Married Rukmini Devi.

Aryabhatta (476-520): Indian mathematician and astronomer, India's first satellite was named after him.

Asan, Kumaran (1873-1924): Renowned Indian (Malayalam) poet and social worker.

Ashapurna Devi (1909-'95): Bengall writer, First woman Gyanpith award winner. Prothomo Protishruti, Subornolota, Bokul Katha.

Ashcroft, Peggy (1907-1991): One of the greatest actresses of British stage, Ilemembered for her role in the Illin A Passage to India (Oscar) and the IV series The fewel in the Crown.

Asimov, Isaac (1920-92): US biochemist and writer of non-tiction. Born in Russia. Foundation Trilogy, The Edge of Tomorrow, Inside the Atom, The Stars in their Courses.

Asoka (3rd C. B.C.): Emperor of India. Aftervictory in the Battle of Kalinga (261 II.C.), the renounced war and embraced Buddhism.

Asturias, Miguel Angel (1899-1974): Guatemalan wilter and diplomat. Men of Malze, novel. Nobel Prize, 1967.

Ataturk, Kemal (Mustafa Kemal Ataturk) (1881-1938): Builder of modeln Turkey, fine soldier, President of the Turkish Republic.

Attenborough, Sir Richard (b. 1923): British actor-director whose Gandhi (1983) won 8 Oscars.

Attila The Hun (406-53): Barbatian leader who helped to bring about the fall of the Roman Emplie.

Attice, Clement Richard (1883-1967): Labour Prime Minister of Britain, 1945-51. His Government granted independence to India.

Auden, Wystan Hugh (1907-'73): Poet, b. in England, a naturalised American. Professor of poetry at Oxford.

Augustus, Caius Octavianus (63 B.C.-A.D. 14): First Roman emperor.

Aurangazeb (1618-1707): Mughal emperor of India: Empire reached its fullest extent, but he estranged Hindus and Sikhs.

Aurobindo, Sri (Aurobindo Ghosh) (1872-1950): Indian philosopher, a revolutionary in his early days. Set up an Ashram in Pondichery. Retired into seclusion in 1926.

Austen, Jane (1775-1817): British novelist. Emmo, Pride and Prejudice.

Ayyankaii (1863-1941): Leader of Harijans, in Kerala. Mahatma Gandhi called him 'pulayaraja'. Great organiser.

Ayyar, Aiiadi Krishnaswami, Sir (1883-1953): Scholar and brilliant lawyer of Tamil Nadu.

Azad. Abui Kaiam (1888-1958): Indian freedom-fighter, staunch nationalist; first Education Minister of free India. Bharat Ratna. 1992, India Wins Freedom.

Azad, Chandra Sekhar (1906-'31): Indian revolutionary; involved in Non-Cooperation Movement, the Assembly bomb incident, Delhi conspiracy, Lahore conspiracy.

Azana, Manuei (1880-1940): PM of Spain from 1931 to '33 and President from 1936 to '39. Spanish Civil War sent him into exile.

Azharudin, Mohammed (b. 1963): Indian cricketer, former Captain. Made a world record of 9079 runs in one-day internationals in June '99. Accused of involvement in match-fixing scam.

Azmi, Shabana (b. 1954): Indian film actress who won the national award five times. Social activist, former Rajya Sabha member. Ankur, Arth, Khondhor, Paar, Gcdmother.

Babar, Zahirud-din Mohammed (1483-1530): Founder of the Mugnal aynasty which ruled northern Incia for nearly three centuries.

Babbage, Charles (1792-1377): Engige mathematician. His primitive ज्याद्यांकान्य

The 1000th to die

Kenneth Lee Boyd, imprisoned for murders committed in 1988, was the 1000th person to be executed in U.S.A. since death penalty was reintroduced in 1977.

machines' were the precursors of the modern computer.

Bach, Johann Sebastian (1685-1750): Prolific German baroque composer.

Bachchan, Amltabh (b.1942): India's most popular film star ever. Over 100 movies. M.P. for a short while. Zonieer, Sholoy, Diwor. Son of poet Harivansh Rai Bachchan (1907-2003), known for his work Modhusholo and autobiography in 4 volumes Kya Bhoolun, Kya Yod Karoon.

Bacon, Francis (1561-1626): English philosopher and essayist. Novum Orgonum.

Bacon, Roger (c.1214-92): English philosopher and scientist, called 'Doctor Mirabilis'. First European to describe the process for making gunpowder.

Baden Poweii, Robert (1857-1941); Founder of Boy Scouts (1908). His sister Agree founded Girl Guides (1910).

Bahadur Shah II (1775-1862): The last king of Mughal empire. Took part in the 1257 war of Independence in exile.

Bahuguna, Sundarlal (b.1920): mentalist. Known for the Chicks to etc. and fight against the building of the attack

Bajaj, Jamnalal (1886-1342; Candra's associate, founded Immedia Astrom at Wardra; Ciftee Jagett - Little Carchi who harmed it Deletter

Baker, Laurie (2.73 tian articles we the

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Baia Saraswati, T. (b.1918): Foremost exponent of the Bharatanatyam style of dance.

Baizac, Honore de (1799-1850): rench novelist. La Comedie Humaine.

Banabhatta (7th c.): Indian Sanskrit

scholar and poet. Kadambari, Harsh Chant. George (1800-1991): Bancroft,

American historian who wrote the 10-volume History of the United States.

Bandaranalke, Solomon (1899-1959): PM of Ceylon from 1956 until as-

sassination. Widow Sirimavo (1916-2000)became world's first woman PM, 1960. In 1994, daughter Chandrika

Kumaratunga became President and Sirimavo PM of Sri Lanka.

Bandopadhyay, Padmavathy (b. 1944): The first woman Air Marshal of In-

dian Air Force, Received AVSM and VSM. Banneriee, Surendranath (1848-

1952): One of the first Indians to qualify the ICS examination. Held the presidentship of

Indian National Congress twice. Bannerjee, Womesh Chandra (1844-1906): First President of Indian National

Congress, Migrated to England in 1902.

Bannister, Sir Roger(b.1929): British athlete and doctor who became the first man to run a mile in four minutes in 1954.

Barnard, Christiaan Neethling (1922-2001): South African surgeon who performed the first human heart transplant operation.

Bartok, Bela (1881-1945): Hungarian composer and pianist.

Baskervlije, John (1706-'75): British typographer who is known for the widely used Baskerville typeface.

Basu, Jyoti (b. 1914): Veteran communist leader. CM of West Bengal for a record five consecutive terms until Nov. 2000.

Batistuta, Gabriel (b. 1969): Former Argentine international footballer, Retired 2005.

Batuta, Ibn (1304-1378): Traveller from North Africa who spent eight years in India. His travelogue is a source for the political history of the Khalji and Tuglag dynasties of the Delhi sultanate.

Beatles, The (Paul Mc Cartney, John Lennon (1940-80), George Harrison (1943-2001), Ringo Starr): English vocal and instrumental rock 'n'roll quartet whose highly original and melodic songs held the attention



of youth all over the world in the 60s.

Beaverbrook, Lord (1879-1964):British financier, statesman and newspaper

owner. Becker, Borls (b. 1967): German tennis player. Youngest Wimbledon champion,

1985, 1986, 1989. Retired in 1997. Becket, Samuel (1906-'89): Irish playwright and novelist. Nobel Prize, 1969.

Becket, Thomas (1118-'70): Saint and martyr. Archbishop of Canterbury who made the position of the church his first care and, came into conflict with King Henry II. Murdered in Canterbury Cathedral.

Beckham, David (b.1975): British football player with a huge fan following. His marriage to Victoria Adams, otherwise known as Posh Spice, has both made them targets for the tabloid press.

Bedl, Bishen Singh (b. 1946): Indian cricketer. Captain for 33 tests.

Bedi, Kiran (b. 1949): First woman Indian Police Service officer (1972). A former Asian Games women's tennis champion. Magsaysay award, 1995. UN medal for outstanding service, 2004.

Beethoven, Ludwlg Van (1770-1827): German musician and composer. His symphonies, 9 in number, rank as the greatest ever written.

Begin, Menachem (1913-'92): Israeli

'rime Minister, 1977-'83. Made peace with gypt (1979). Nobel Peace Prize, 1978.

Beiafonte, Harry (b.1927): American ntertainer, civil rights leader.

Beil, Alexander Graham (1847-1922): cottish-born inventor of the telephone.

Ben Gurion, David (1886-1973): The rst Prime Minister of Israel, 1948-63.

Benedict XVI (b. 1927): The Pope, head f the Roman Catholic Church since April 005. Formerly Josef Ratzinger, the German rchbishop. Replaced John Paul II.

Benegai, Shyam (b.1934): Indian film irector. Akrosh, Mondi, Bhorot Ek Khoj.

Benes, Eduard (1884-1948): Czech tatesman, President from 1935 to '38.

Bentham, Jeremy (1748-1832): British hilosopher who developed the theory of tilitarianism.

Berry, Haile (b. 1968): US film actress. irst black actress to win Oscar for best acess. Monster's Ball.

Bertolucci, Bernardo (b. 1940): Italin film director. The Last Emperor won 9 Iscars in 1987.

Besant, Annie (1847-1933): An Irish oman, staunch supporter of Indian indeendence movement. Social worker, educaonist and reformer. Set up Home Rule eague. President of INC, 1917. Established heosophical Society of India.

Bessemer, Sir Henry (1813-'98): Brith metallurgist who invented the process of onverting cast iron direct into steel.

Bhabha, Homi J. (1909-'66): The Inian scientist who was mainly responsible for reating the Bhabha Atomic Research Centre. Pescribed as the father of Indian nuclear science.

Bhagwan Dass, Dr. (1869-1958): Vedic cholar, Indian freedom fighter. Bharat Ratna.

Bhagwati, Prof. Jagdish (b. 1934): ndia-born U.S. Professor of Economics at Coambia University.

Bharat Muni (5th c.): Sanskrit writer. Votyo Shostra.

191 m. Migrants

According to statistics available with the UN for the year 2005, the world has 191 million migrants.

Bharati, Subramanya (1881-1921): Indian poet, patriot and philosopher. His impact on Tamil literature is great. Title 'Bhavati' conferred by the Raja of Ettayapuram, Tamil Nadu.

Bhasa (5th c.): Sanskrit playwright. Swapno Youqondharoyono, Charudotta.

Bhaskara i (7th c.AD):Indian astronomer who was a contemporary of Brahmagupta.

Bhaskaracharya II (1114-c.1185): Great Indian mathematician and astronomer, who was the first to use the decimal system in a written work, invented the + and - convention, and used letters to represent unknown quantities as in modern algebra. Sidhonta Shiromoni.

Bhatia, Sabeer (b. 1968): Indian-born co-founder of Hotmail. He sold Hotmail to Microsoft for US\$400 million.

Bhatnagar, Shanti Swarup (1894-1955): Indian scientist who created a chain of national laboratories. Director of CSIR, Secretary to AEC, Chairman of UGC. Science awards after his name.

Bhatt, Eia (b.1933): Emancipator of women in the self-employed sector. Magsaysay award, 1977.

Bhavabhuti (8th c.): A great Sanskrit dramatist, Molatimadhovo.

Bhave, Vinoba (1895-1982): Disciple of Gandhi who led the Bhoodan movement. Bharat Ratna 1983, first Magsaysay award,

Bhutia, Baichu-Ng (b.1976' footballer from Sikkim. At 15, hig

ter in the Subroto Mukherjee toumament Delhi. Arjuna Award.

Shutto, Zulfikar All (1928-79): Prime nister of Pakistan who was ousted (1977) Gen. Zia-ul Haq whose government exted him. His daughter Benazir Bhutto 1953) became Prime Minister, 1988- the twoman to head a modern Islamic state. sted in 1990.

Bimbisara (c.544 - 493 BC):Ruler of the gdom of Magadha, which he expanded. It city Rajagriha. Patron to Mahavira and Buddha.

BIndra, Abhinav (b. 1983): Shooter on Chandigarh, won gold in 10 m. air rifle ent at World Championships in Zagreb in 1,06.

Bismarck, Otto Von (1815-'98): Gerin statesman, chief architect of the Gerin empire, known as 'the man of blood and in'.

Blake, William (1757-1827): English et, philosopher, artist. Songs of Innocence. Bloch, Ernest (1880-1959): Swiss-born composer, famous for his chamber mul. Israel Symphony (1916).

Boccacclo, Glovanni (1313-'75): Italn author and humanist; father of the novel. cameron, Life of Dante.

Bohr, Niels (1885-1962): Danish physit. Nobel Prize, for work on atomic struce.

Boleyn, Anne (1507-'36): Queen of nry VIII of Britain and mother of Queen tabeth I. Beheaded.

Bollvar, Simon (1783-1830): South nerican revolutionist, called the Liberator. founded Grand Colombia (now Venezu-, Colombia, Panama, Ecuador).

Bolklah, Hassanal (b. 1946): Sultan of unei. One of the richest men in the world. Bonfleld, Margaret Grace (1873-1953): Labour politician and trade unionist. at British woman to hold cabinet office-miner of labour, 1923-31.

Boole, George (1815-'64): Englist mathematician best known for his invention of Boolean algebra.

Booth, William (1829-1912): English re ligious leader, founder of the salvation Army

Border, Alian (b. 1956): Former Aus tralian cricket captain who holds the world record of 156 Test matches. 11,174 tes runs.

Bordolol, Gopinath (1890-1950): On of the makers of modern Assam. Education ist. CM of Assam twice before Independence Bharat Ratna, 1999.

Borg, Bjorn (b. 1956): Swedish tenni player. World's top player in the late 70s. Fifth consecutive Wimbledon in 1980.

Borlaug, Norman Ernest (b. 1914) American wheat scientist responsible for the 'green revolution'. Nobel Peace Prize, 1970.

Borodin, Alexander Porfirevich (1833-87): One of the 'Russian Five' group of composers.

Borromini, Francesco (1599-1667): Italian architect. One of the three masters of Roman Baroque, the other two being Bermini and Pietro da Cortona.

Bosch, Hieronymus (1450-1516): Flemish painter. The Garden of Earthly Delights, The Temptotion of St. Anthony.

Bose, Amar Gopal (b.1929): Americanborn Indian professor of electrical engineering at MIT. In 1964, he founded the Bose Corporation, which specializes in designing and producing high quality sound systems.

Bose, Jagadish Chandra (1858-1937): Doyen of Indian science. Did original work in electricity.

Bose, Nandalai (1883-1966): Father of Modern Painting in India. Padma Bhushan.

Bose, Netaji Subhas Chandra (1897-1945): One of the leaders of India's freedom struggle. Formed the Indian National Army in 1943 to fight the British with the help of Japan. Reportedly killed in an air crash.

Bose, Satyendra Nath (1894-1974): Indian physicist after whom an elementary particle, the boson is named.

Boswell, James (1740-'95): Scottish author of the celebrated biography, The Life of Samuel Johnson,

Botha, Louis (1862-1919): The first PM of the Union of South Africa, 1910.

Botham, Ian Terence (b. 1955): English cricketer and coach, a great all-rounder with 14 test centuries (5200 runs) and 373 test wickets. First player to score a century and take 10 wickets in a test (1979).

Botvinnik, Mikhail (1911-'95): Russian electrical engineer who used his scientific training to hold the world chess title three times (1948-57, 58-60, 61-63).

Bourguiba, Habib (1903-2000): First President of Tunisia (1957-87). Proclaimed president for life in 1975. A coup overthrew him.

Boyd, William (b. 1952): British novelist. The New Confessions.

Bradman, Sir Donaid (1908-2001): Australian cricket legend. Captain, 1936-48. 6996 runs in 52 games (average 99.94) including 29 centuries and a highest score of 334.

Bragg, Sir Wiiiiam Lawrence (1890-1971): English physicist born in Australia. With his father Sir William Henry Bragg (1862-1942), won Nobel Prize for Physics (1915).

Brahmagupta (598-680): The Indian mathematician who was the first to treat zero as a number. Brohma Siddhanta.

Brahms, Johannes (1833-97): German composer, who moved to Vienna. Orchestral works: four symphonies, two piano concertos and a concerto for violin. Large quantity of chamber music. Choral works include A Germon Requiem and Alto Rhopsody.

Brailie, Louis (1809-'52): French educationist, who, as a (blind) teacher of the blind, devised the touch system of reading and writing for the blind.

Brando, Marion (1924-2004): Out-

The Longest-ruling Monarch

When Thai King Bhumibol Adulyadej, the world's longest-ruling monarch, was crowned in 1946, he was an American-born teenager who had spent most of his childhood in exile. He became king on the death of brother King Ananda.

standing American stage and film actor. On the Woterfront, The Godfather.

Brandt, Willy (1913-'92): First Social Democratic chancellor of the Federal Republic of Germany, 1969-74. Nobel Prize, 1971.

Brezhnev, Leonid (1906-'82): Soviet President (1977); succeeded Khrushchev as First Secretary of the Communist Party, (1964-82).

Bronte, Chariotte (1816-'55): One of the three Bronte sisters, forceful novelist, author of Jone Eyre. Her sister Emily (1818-'48) wrote Wuthering Heights; and another sister Anne (1820-'49) wrote Agnes Grey.

Brooke, Rupert (1887-1915): English poet. Fought in WW I. The Soldier, Clouds, The Dead.

Brown, Dan (b. 1964): American author of best selling novel The Da Vinci Code (2003) with 36 million copies in print.

Brown, John (1800-'59): Hero of the song 'John Brown's Body'. An anti-slavery crusader who tried to start a slave revolt, was caught, and hanged.

Browning, Robert (1812-'89): English poet of the Victorian Era, famous for his dramatic monologues. Wife Elizabeth Barrett Browning (1806-'61) was poet too.

Bruce, Robert (1274-1329) national leader . King in 1306; de ward II of England in 1314.

Brundtland, Gro Harlem (b.1939): Norway's first woman PM. She was PM in '81, '86, '90, Active environmentalist. Former Director General, WHO.

Brutus, Marcus Junius (85-42 B.C.): Roman senator famed as a conspirator against Julius Caesar.

Bubka, Sergel (b.1964): World's best pole vaulter from Ukraine. In '94, at 6.14m. World title six times.

Buck, Pearl S. (1892-1973): American author. Nobel Prize (1938), Pulitzer Prize, (1932). The Good Earth.

Bunin, Ivan (1870-1953): The first Russlan to win the Nobel Prize for literature in 1933, after a long rivalry with Maxim Gorky.

Bunyan, John (1628-'88): A popular preacher and religious thinker. The Pilgrim's Progress.

Burke, Edmund (1729-'97): British parliamentarian, political philosopher; and orator.

Burns, Robert (1759-'96): Scotland's unofficial national poet

Bush, George Herbert Walker (b. 1924): American President, 1988-'92. Son George W. Bush (b.1946) 43rd U S President since Jan 20, 2001.

Butler, Samuel (1835-1902): English scholar, novelist. The Way of All Flesh.

Byrd, Richard Evelyn (1888-1957): American explorer. The first to fly over both North and South poles.

Byron, George Gordon (1788-1824): English romantic poet. At 20, he published Hours of Idleness; Childe Harold's Pilgrimage (1812).

Cabot, John (1425/50-c. 1500): italian explorer. Discovered Newfoundland and Nova Scotia. Son Sebastian Cabot (1476-1557) made voyages to the New World.

Cabral, Pedro Alvarez (c.1467-c. 1520): Portuguese navigator, discovered Brazil,

Caesar, Julius (c. 101-44 B.C.): Agi Roman general, Invaded Britain (55 B. defeated Pompey whom he pursued to Eq. where he established Cleopatra as queen Rome he became dictator, and his reform include the Julian calendar, Murdered.

Caivin, John (1509-'64): French Pi estant reformer and theologian.

Cama, Bhlkail (1861-1936): 8om Bombay, she moved to Europe where sher Dadabhai Naoroji and other revolutionan Her home in Paris served as headquarters Indian rebels against British rule. Imprisor for revolutionary activities, she returned India in 1935.

Camus, Albert (1913-'60): French no elist, dramatist; native of Algeria. The Price Justice, and L' Etronger. Nobel prize, 1957

Capra, Frank (1897-1991): Americ moviemaker, a trendsetter who grabb many firsts in film techniques.

Cardin, Pierre (b.1922): internationa known Master designer. The haute cout. czar with licencees in 125 countries.

Carlappa, Fleid Marshal. K.M (190 '93): First Indian C-in-C of Indian Arm 1943-'53.

Carlyle, Thomas (1795-1881): Scott author. Heroes and Hero Worship.

Carnegle, Dale (1888-1955): Americ writer famous for self improvement manua

Carter, James Earl (b. 1924): Ame can Democratic President 1977-'81.

Cartier-Besson, Henri (1908-2004 One of the master photographers of 20th cc tury.

Cartiand, Barbara (1902-2000 American best selling author, who wrote 7. books. 1b. copies sold in 36 languages.

Carver, George Washington (186 1943): American agricultural chemist.

Castro, Fidel (b. 1927): Cuban revol tionary and political leader. President of Cub In 1959 overthrew a police state. In pow for the longest period.

Catherine de Medicis (1519-89): Of France; Queen consort of Henry II, regent of France.

Catherine II (The Great) (1729–'96): Tsarina of Russia, a monarch of the Enlightenment.

Cave, Edward (1691–1754): English publisher. Founded The Gentleman's Mogazine.

Caxton, William (1422-'91): the first English printer and publisher.

Celclus, Anders (1701-'44): Swedish inventor, astronomer. Devised (1742) Celcius or centigrade temperature scale.

Cervantes, Saavedra Miguel de (1547-1616): Spanish novelist and dramatist. Don Quixote.

Cezanne, Paul (1839-1906): French post-impressionist painter.

Chakravarty, Nikhii (1913-'98): Indian journalist, first Chairman of Prasar Bharati Board.

Chamberlain, Neville (1869-1940): English statesman, Prime Minister 1937-40.

Chan, Jackle (b.1954): Movie star from Hong Kong. Made 40 films since '76, when he was touted as the new Bruce Lee.

Chanakya (also known as Kautilya) (4th century B.C): Author of Artho Shostro, an authentic book on statecraft. Prime Minister to Chandragupta Maurya.

Chandler, Raymond Thornton (1888–1959): American detective story writer. Created cynical private detective Philip Marlowe.

Chandrasekhar (b. 1927): Indian politician, parliamentarian, socialist. President, Socialist Janata Party from 1977. Prime Minister, Nov. '90 to June '91.

Chandrasekhar, Subrahmanyan (1910-'95): Born at Lahore, an American citizen; nephew of Nobel laureate C. V. Raman. Won the Nobel prize for physics in 1983.

Chaplin, Charles Spencer (Charlle) (1889-1977): Film star comedian, first international screen star, with more than 50 years' achievement. Born in London, he went to the United States in 1916. The Kid The Cold Bush Linelia



Charlie Chaplin

Kid, The Gold Rush, Limelight, The Tromp.

Charlemagne (724-814): (Charles the Great). King of the Franks and Lombards, he founded a new Roman Empire comprising Gaul, Italy, and large parts of Spain and Germany; crowned Emperor.

Charles (Philip Arthur George) (b. 1948): Prince of Wales, eldest son of Qn. Elizabeth II; married Diana Spencer ('81) divorced ('96), mamed Camilla Parker Bowles (2005).

Charles 1 (1600-'49): King of England, Scotland and Ireland, 1625. Attempted to rule without parliament; Beheaded.

Chatterji, Bankim Chandra (1838-'94): Poet, novelist and a great patriot of India (Bengal). *Vonde Motoram* (Anand Math).

Chattopadhyay, Kamaladevl (1903-'88): The high priestess of Indian culture, arts, theatre and literature. Magsaysay award, 1966.

Chaucer, Geoffrey (1340-1400): English poet. The Conterbury Tales.

Chaudhurl, Nirad C. (1897-1999): Indian writer, and social critic, wrote in English and lived in England. Autobiogrophy of on Unknown Indian, A Possage to England.

Chawla, Kalpana (b. 1961-2003): The first Indian American space woman. Travelled aboard space shuttle Columbia in Nov. '97. Died on her second space mission aboard Colombia.

Chekhov, Anton (1860-1904) dramatist and short story wri

Chembal Valdyanatha Bhagavathar (1889-1974): Great (Carnatic) musician of India.

Cherenkov, Pavei Alekseyich (1904-1990): Soviet physicist. Discovered Cherenkov effect, Shared Nobel Prize (1958).



Chernenko, Konstantian Ustinovich (1911-'85): Soviet politician. Succeeded Andropov as General Secretary of the Communist Party.

Cheshire, Leonard (1918-'92): The World War II hero who set up a global network of houses for the disabled.

Chesterton, Gilbert Keith (1874-1936): English essayist, novelist and poet.

Chevaller, Maurice (1888-1972): French film actor, singer who became an international filmstar. Love Me Tonight, Gigi.

Chlang Kal-Shek (1887-1975); Chinese general. After Sun Yat-sen's death (1925), as commander of the Kuomintang army, he attempted to unite China; in 1949 retired to Formosa (Taiwan) after the victory of the Communists.

Chichester, Sir Francis (1901-'72): English yachtsman, aviator, sailed around world single-handed in Gipsy Moth IV, (1966-'67).

Chidambaram, Rajagopaia (b. 1936): Chief scientific advisor to Govt. of India and former head of India's Atomic Energy Commission and the man who led the Pokhran nuclear test team (1998).

Chomsky, Noam (b. 1928): American scholar, commentator on global politics and one of world's most distinguished linguists.

Chopin, Fre'de'ric François (1810-'49): Polish planist, composer; 'the poet of the piano'.

Choudhary, Sarbari Roy (b. 1933): Indian sculptor. Works include portraits and abstract bronzes.

Christie, Agatha (1890-1976): English writer of detective fiction. Her two detectives are Miss Marple and Hercule Poirot. Play Mousetrop has run in London for over four decades.

Churchili, Sir Winston (1874-1965): British statesman, soldier and author. Prime Minister and Minister of Defence 1940-45: Prime Minister, 1951-55. Nobel Prize for Literature.

Cicero, Marcus Tuiiis (106-43 B.C.): Roman orator, statesman, executed by Antony.

Ciemenceau, Georges (1841-1929): French statesman who was premier twice. Led the French delegation at the Versailles peace conference.

Cieopatra (69-30 B.C.): Egyptian queen. Became joint ruler, with brother Ptolemy XII, at age of 17; was wife of Julius Caesar and later mistress of Mark Antony. Committed suicide.

Clinton, William Jefferson (b. 1946): Dynamic Democrat leader who became 42nd U.S. President (Jan. '93). Re-elected Nov. '96. Autobiography My Life a best seller.

Ciijsters, Kim (b.1983): Belgian World No.2 tennis star. To retire in 2007.

Cockerell, Christopher (1910-1999): English inventor of the hovercraft.

Coleridge, Samuel Taylor (1772-1834): English poet, critic and philosopher.

Colette (1873-1954): French novelist whose early works were published under her first husband's pseudonym, Willy.

Colins, Lt. Col. Elieen (b.1956): The first female to take over the controls of a NASA spaceship.

Collins, Wilkie (1824-'89): British novelist, who collaborated with Charles Dickens. The Woman in White. The Moonstone.

Columbus, Christopher (c.1451-1506): Italian explorer known as the discoverer of the Americas. In 1492 discovered the Bahamas, Cuba, and other West Indian Islands.

decades. Mousetrap has run in London for over four are Miss Marple and Hercule Poirot. Play writer of detective fiction. Her two detectives Christle, Agatha (1890-1976): English

erature. Prime Minister, 1951-55. Nobel Prize for Lit-Minister and Minister of Defence 1940-45; British statesman, soldier and author. Prime Churchill, 5lr Winston (1874-1965):

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the French delegation at the Versailles peace French statesman who was premier twice. Led Clemenceau, Georges (1841-1929): Antony

Clinton, William Jefferson (b. 1946): mistress of Mark Antony. Committed suicide. at age of 17; was wife of Julius Caesar and later Became joint ruler, with brother Ptolemy XII, Cleopatra (69-30 B.C.): Egyptian queen. conference.

Autobiography My Life a best seller. U.S. President (Jan. '93). Re-elected Nov. '96. Dynamic Democrat leader who became 42nd

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(1889-1974): Great

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Discovered Cherenkov 1990): Soviet physicist. Alekseylch (1904-

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single-handed in Cipsy Moth IV, (1966-67). glish yachtsman, aviator, sailed around world Chichester, Sir Francis (1901-'72): En-

nuclear test team (1998). mission and the man who led the Pokhran former head of India's Atomic Energy Com-Chief scientific advisor to Govt. of India and Chidambaram, Rajagopala (b. 1936):

one of world's most distinguished linguists. scholar, commentator on global politics and Chomsky, Noam (b. 1928): American

the piano'. 49): Polish pianist, composer, the poet of Chopin, Fre'de'ric Francols (1810-

stract bronzes. dian sculptor. Works include portraits and ab-Choudhary, Sarbarl Roy (b. 1933): In-

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Second Share

litical writer; also author of Robinson Crusoe. Defoe, Danlel (1660-1731): English podirector and actor. Shoeshine, Bicycle Thieves. De Sica, Vittorio (1901-'74): Italian film

orator who roused the Athenians to resist the Demosthenes (384-322 B.C.): Greek

Deodhar D.B. (1892-1993): The Grand growing power of Philip of Macedon.

Desal, Bhulabhal (1877-1946): Indian Deodhar Trophy is named. Old Man of Indian Cricket, after whom

Swadeshi Sabha to boycott foreign goods. ants before Broomfield committee.Founded national leader who defended Bardoli peas-

nomics. British peer. fessor of Economics at London School of Eco-Desal, Lord Meghnad (b. 1940): Pro-

hatma Gandhi. Edited Independent and dom fighter. He was personal secretary to Ma-Desal, Mahadev (1892-1942): Free-

Descartes, Rene (1596-1650): French & Finance Minister, 1967-69. Bharat Ratna. '56). Union Minister, 1956-63. Deputy P.M. Candhian, Chief Minister of Bombay (1952ister from Mar, '77 to July '79, Staunch 1995): Indian politician who was Prime Min-Desal, Morarli Ranchodii (1896.

(1919-2000): Veteran Marathi writer and Deshpande, Purushottam Lakshman .yndosoiling mathematician, pioneer of modern

PM June, '96 to Apr. '97. Formerly CM of gowda (b. 1933): Janata Dal leader. India's Deve Cowda, Hardanahall Doddeperformer known as Pu La.

Karnataka.

Νανϊίναη.

writing at 13. Over 200 books including 152 in Bengali literature; Cyanpith, 1977. Began Devl, Ashapuma (1909-'95): Alegend

system of book classification. library pioneer, originator of Dewey decimal Dewey, Melvii (1851-1931): American

Disawan, Satish (1920-2002): Scientiff

nal combustion engine, furthering car indus-

India (1959). Nobel Peace Prize (1989). exile at Dharamsala in Himachal Pradesh, Tibetan uprising, and established Govt-in-Spiritual leader of Tibet. Fled to India after Dalal Lama (b. 1935): (Tenzing Cyatso)

chemist who discovered vitamin K. Nobel Dam, Henrik (1895-1976): Danish bio-

Dante Allghleri (1265-1321): Italian leprosy in leper colony on Molokai, Hawaii. lic missionary. Worked until his death from Originally Joseph de Veuster, Belgian Catho-Damlen, Father Joseph (1840-'89):

Leader of Communist Party of India, parlia-Dange, Shripat Amrit (1899-1994): poet. The Divine Comedy.

and founder of Persepolis. Darlus I (S48-486 B.C.): Persian king

gin of Species. mechanism of natural selection. On the Oribuilt up by the gradual and opportunistic lution of present-day morphology had been English naturalist who argued that the evo-Darwin, Charles Robert (1809-'82):

Toles, The Nobob. first novel was written at age 14. Mondoy French short-story writer and novelist whose Daudet, Alphonse (1840-1897):

Davis, Dwight F. (1879-1945): Ameri-Elizabeth Davis. American film actress. Davis, Bette (1908-'89): Originally Ruth

ing contest. Cup. He played for the US team in the opencan who donated the tennis trophy, Davis

safety lamp. ish chemist and inventor of the Davy miner's Davy, 5ir Humphry (1778-1829); Brit-

Hollywood. The Ten Commondments. film producer-director. Grand old man of De Mille, Cecil (1881-1959): American

glish essayist and critic. De Quincey, Thomas (1785-1859): En-

nal combustion engine, furthering car industry.

Dalai Lama (b. 1935): (Tenzing Gyatso) Spiritual leader of Tibet. Fled to India after Tibetan uprising, and established Govt-inexile at Dharamsala in Himachal Pradesh, India (1959). Nobel Peace Prize (1989).

Dam, Henrik (1895-1976): Danish biochemist who discovered vitamin K. Nobel Prize.

Damlen, Father Joseph (1840-'89): Originally Joseph de Veuster. Belgian Catholic missionary. Worked until his death from leprosy in leper colony on Molokai, Hawaii.

Dante Alighleri (1265-1321): Italian poet. The Divine Comedy.

Dange, Shripat Amrit (1899-1994): Leader of Communist Party of India, parliamentarian.

Darius I (548-486 B.C.): Persian king and founder of Persepolis.

Darwin, Charles Robert (1809-'82): English naturalist who argued that the evolution of present-day morphology had been built up by the gradual and opportunistic mechanism of natural selection. On the Origin of Species.

Daudet, Alphonse (1840-1897): French short-story writer and novelist whose first novel was written at age 14. Monday Tales, The Nabob.

Davis, Bette (1908-'89): Originally Ruth Elizabeth Davis. American film actress.

Davis, Dwight F. (1879-1945): American who donated the tennis trophy, Davis Cup. He played for the US team in the opening contest.

Davy, Sir Humphry (1778–1829): British chemist and inventor of the Davy miner's safety lamp.

De Mille, Cecil (1881-1959): American film producer-director. Grand old man of Hollywood. The Ten Commandments.

De Quincey, Thomas (1785-1859): English essayist and critic.

De Sica, Vittorio (1901-'74): Italian film director and actor. Shoeshine, Bicycle Thieves.

Defoe, Daniel (1660-1731): English political writer; also author of Robinson Crusoe.

Demosthenes (384-322 B.C.): Greek orator who roused the Athenians to resist the growing power of Philip of Macedon.

Deodhar D.B.(1892-1993): The Grand Old Man of Indian Cricket, after whom Deodhar Trophy is named.

Desal, Bhulabhal (1877-1946): Indian national leader who defended Bardoli peasants before Broomfield committee. Founded Swadeshi Sabha to boycott foreign goods.

Desal, Lord Meghnad (b. 1940): Professor of Economics at London School of Economics. British peer.

Desal, Mahadev (1892-1942): Freedom fighter. He was personal secretary to Mahatma Gandhi. Edited Independent and Navjivan.

Desal, Morarji Ranchodji (1896-1995): Indian politician who was Prime Minister from Mar. '77 to July '79. Staunch Gandhian. Chief Minister of Bombay (1952-'56). Union Minister, 1956-63. Deputy P.M. & Finance Minister, 1967-69. Bharat Ratna.

Descartes, Rene (1596-1650): French mathematician, pioneer of modern philiosophy.

Deshpande, Purushottam Lakshman (1919-2000): Veteran Marathi writer and performer known as Pu La.

Deve Gowda, Hardanahall Doddegowda (b. 1933): Janata Dai leader. India's PM June, '96 to Apr. '97. Formerly CM of Karnataka.

Devi, Ashapurna (1909-'95): Alegend in Bengali literature; Gyanpith, 1977. Began writing at 13. Over 200 books including 152 novels.

Dewey, Melvil (1851-1931): American library pioneer, originator of Dewey decimal system of book classification.

Dhawan, Satish (1920-2002): Scientist

Director of IIS, Bangalore, Chairman of ISRO. Padma Vibhushan 1981.

Dhyan Chand (1906-'79): Hockey wizard. Olympic gold in Amsterdam 1928, Los Angeles 1932, Berlin 1936. Padrnabhushan.

Diana, Princess of Wales (1961-'97): Born Diana Spencer, married Prince Charles of Britain (1981), separated (1992), divorced (1996). Mother of Prince William and Prince Henry. Killed in a car crash.

Dickens, Charles (1812-'70): Popular English novelist of the 19th cent. David Copperfield, Pickwick Papers, Oliver Twist.

Dickinson, Emily (1830-'86): American poet. Published almost nothing in her lifetime.

Diesel, Rudolf (1858-1913): German engineer, inventor of an internal combustion engine which he patented in 1893.

Dietrich, Mariene (1901-'93): Actress and singer, native of Berlin who flourished in the USA, Blue Angel,

Dior, Christian (1905-'57): French fashion designer.

Disney, Waiter Elias ('Wait') (1901-'66): American film cartoonist famous for animated cartoons. Creator of characters Mickey Mouse (1928) and Donald Duck (1936).



Mickey Mouse

Disraeli, Benjamin (1804-'81): British statesman and novelist. Prime Minister, 1868 and 1874-'80.

Dix, Otto (1891-1969): German painter and engraver. Jailed in 1939 for an alleged plot to kill Hitler. Post-war themes included religion.

Donahue, Phii (b.1936): The man who virtually invented the single topic TV talk.

Donatello (1386-1466): Florentine sculptor, a pioneer of the Renaissance style, born Donato di Niccola di Betto Bardi. Fa-

The Youngest at IIT

Chandra Sekar, world's youngest MCSE (Microsoft Certified Systems Engineer) at age 10, was the youngest graduate from Anna University, Chennai who got admission in 2006 to IIT for M-Tech. Sekar, at 15, is India's youngest IIT student.

mous for the marble sculptures of St. Mark and St. George.

Donne, John (1572-1631): One of the great Metaphysical poets. He was chaplain to King James of England, and later Dean of St. Paul's.

Dostoevsky, Feodor Mikhallovich (1821-'81): Russian novelist. Sent to hard labour in Siberia for revolutionary activity. Crime and Punishment, The Idiot, The Possessed.

Doyle, Sir Arthur Conan (1859-1930): British writer of detective stories. Creator of detective Sherlock Holmes and Dr Watson.

Drake, Sir Francis (c. 1540-'96): English seaman; in 1577-'80 he sailed round the world in the "Golden Hind".

Drucker, Peter F. (1909-2005): Management expert and author of international fame.

Dryden, John (1631-1700): Poet laureate and dramatist. The Indion Emperor, Heroic Stanzos, All for Love.

Du Pont, Eleuth-Ere Irenee (1772-1834): American chemicals manufacturer, b. France.

Dulles, John Foster (1888-1959): US Secretary of State 1953-9, opposed negotiation with Russia.

Dumas, Alexandre (1802-'70): French romantic novelist. The Three Musketeers.

Dunant, Jean Henri (1828-1910): Swiss philanthropist. Promoted the establishment of the International Red Cross (1863). Shared the first Nobel Prize (1901).

Duncan, Isadora (1877-1927): Amerin expressive dancer who united free movent with serious music; one of the founders modern dance.

Duniop, John Boyd (1840-1921): Scotsh veterinary surgeon. Patented (1888) unlop version of pneumatic tyre.

Dupleix, Joseph Francois (1697-, 763): French Governor in India.

Durant, Will (1885-1981): American storian. The Story of Civlisation, The Story of rilosophy.

Dutt, Nargls (1929-'81): The greatest m actress of her time. Paired in several importal films with Raj Kapoor. Married actor unil Dutt, who later became a Union Ministruntil death in 2005. Best actress award. admashri. Nominated to Rajya Sabha. Son anjay Dutt, a leading Hindi film actor.

Duvaller, Francols ('Papa Doc') 1907-'71): Dictator of Haiti (1957-'71). Used ersonal police force (Tonton Macoutes).

Dylan, Bob (1941-):): US singer and omposer, born Robert Allen Zimmerman. *Bood on the Trocks.*

Eastman, George (1854-1932): Amerian inventor; manufacturer of photographic equipment.

Eckermann, Johann Peter (1792-1854): German writer who was an assistant o Goethe. Conversations with Goethe.

Eckert, John Presper (1919-'95): Conventor of the computer. Developed world's irst electronic digital computer with John W. Mauchly.

Eco, Umberto (b. 1932): Italian novelst who authored the historical thriller The Nome of the Rose, and the novel Foucoult's Pendulum. Also wrote A Theory of Semiotics

Edison, Thomas Alva (1847-1931): umerican inventor who held more than 1300 J.S. and foreign patents for his inventions: the phonograph, the incandescent amp, etc.

Ehrenburg, Liya Grigoryevich (1891-

1967): Russian writer whose novel *The Tha* gave the name to post-Stalin relaxation.

Ehrlich, Paul (1854-1915): German so entist, one of the pioneers of bacteriology.

Eiffel, Alexandro Gustave (183: 1923): French engineer, remembered fo Eiffel Tower, Paris and Panama Canal locks

Einstein, Albert (1879-1955): Matlematical physicist whose theory of relativil superseded Newton's theory of gravitation. His work led on to the making of the nucleabomb. Nobel Prize, 1921.

Einthoven, Willem (1860-1927) Dutch physiologist, Invented the electrocal diogram. Nobel Prize.

Elsenhower, Gen. Dwlght (1890 1969): American general and statesman. Howas C-in-C, Allied Forces, N. Africa 1942-3 and in the European theatre of operations 1943-5; Republican President, 1953-61.

Ellot, George (1819-'80): Pen-name o English woman novelist Mary Anne (late Marion) Evans. Middlemarch.

Eilot, Thomas Stearns (1888-1965) English Poet and critic, bom in U.S. The Waste Land, Murder in the Cathedral. Nobel Prize.

Elizabeth II (b. 1926): Queen of Gt. Britain and N. Ireland; ascended the throne, 1952.

Ellington, Edward Kennedy ('Duke') (1899-1974): American pianist, composer.

Eilis, Havelock (1859-1939): English psychologist and writer. Studies in the Psychology of Sex (7 vols; 1898-1928).

Ellsworth, Lincoln (1880-1951): American engineer, the first to fly over Antarctica (1935).

Emeneau, Prof. Murray Branson (1904-2005): Western indologist.

Empedocles (c. 490-430 B.C.): Greek philosopher who held that all matter was composed of four ingredients - fire, air, water and earth. Only 500 lines from two of his poems remain of his writing

Engels, Friedrich (1820-'95): German

socialist, lifelong friend of Karl Marx, with whom he wrote the Communist Manifesto.

Erasmus, Desiderius (1466-1536): The greatest humanist and scholar of Dutch Renaissance. Praise of Folly.

Euripides (480-406 B.C.): The greatest of the Greek dramatists, who wrote about 80 plays. Trojan Woman, Alcestis, Medea.

Evert, Chris (b. 1954): of USA. One of the all-time greats in tennis. Won 20 championships from 1974 to 1986, and 157 tournament titles.

Fahrenheit, Gabriel Daniel (1686-1736): German physicist who introduced the mercury thermometer and fixed thermometric standards.

Falk, Lee (1912-'99): Creator of the popular cartoon characters Mondroke the Magician and the Phontom.

Falloplo, Gabriele (1523-'62): Italian anatomist, discovered Fallopian tubes, leading from ovaries to the uterus, in which fertilisation takes place.

Faraday, Michael (1791-1867): English physicist who founded the science of electro-· magnetism.

Farah, Nuruddin (b. 1945): Somali novelist, and a major writer of Africa.

Faulkner, William (1897-1962): American novelist, whose series of novels (The Sound and the Fury, etc.) depict the American South. Nobel prize, 1949.

Fawkes, Guy (1570-1606): English conspirator. Served with Spanish armies in Netherlands. Involved in Gunpowder Plot (Nov.5, 1605) to blow up Houses of Parl. Executed.

Fazal, Abul (1561-1602): Prime Minister of Akbar the Great. Scholar, Wrote Ain-i-Akbari ond Akbornamo.

Federer, Roger (b.1982): Switzerland, Tennis champion at 24.Won fourth successive Wimbeldon in 2006. Eight Grand Slam titles, 39 tournament wins.

Fellini, Federico (1920-'93): Great Italian film maker. Five-time Academy Award

99 Per cent Perspiration

Thomas Edison was the first person to assemble a team of scientists to carry out research work. A prolific inventor, he is best known as the pioneer of sound recording. According to him, genius is one per cent inspiration and 99 per cent perspiration.

winner. Lo Strodo (1954), Lo Dolce Vito (1959), 8 1/2 (1963).

Fermi, Enrico (1901-'54): Pioneering scientist who discovered over 400 radio isotopes. Element number 100 is named Fermium after him.

Fielding, Henry (1707-'54): English author known for Tom Jones (1749).

Fischer, Bobby (b. 1943): World Chess Champion, 1972-75.

Fitzgerald, Edward (1809-'83): English poet and translator. Translated The Rubaiyat of Omar Khayyam (1859).

Flaubert, Gustave (1821-80): French novelist, leading exponent of French realism. Madame Boyor.

Fleming, Sir Alexander (1881-1955): British bacteriologist and discoverer of penicillin (1928). Nobel Prize (1945).

Flinders, Mathew (1774-1814): English explorer who charted large parts of the land he named Australia. Flinders River, Flinders Island named after him.

Fonda, Henry (1905-'82): US actor who became a Hollywood star. Won Academy Award in '82 for On Golden Pond. Daughter Jane and son Peter joined films.

Ford, Gerald R (b. 1913): American Republican President, 1974-77.

Ford, Henry (1863-1947): Pioneer (American) motor car manufacturer and ins exhibited across the world. The Prophet, Madmon, Jesus-the Son of Mon.

Gide, Andre (1869-1951): French writer short novels. The Counterfeiters.

G<mark>ielgud, Sir John (b.1904-2000):</mark> One he century's great classical actors and the est speaker of Shakespearean verse in the tory of theatre. Acted even at 90.

Giri, Varahagiri Venkata (1894-80): Third Vice-President and fourth Presint of India. Veteran trade unionist. Bharat tna, '75.

Gish, Lillian (1896-1993): American siit film actress whose career spanned 8 dedes. Sister Dorothy Gish (1898-1968), also ress.

Gladstone, William Ewart (1809-'98): tish Liberal statesman. Prime Minister four nes between 1868 and 1894.

Goebbels, Paul Joseph (1897-1945): izi propaganda minister; orator.

Goethe, Johann Wolfgang von (1749-132): German poet and thinker. Foust.

Gokhale, Gopal Krishna (1866-1915): dian statesman whom Gandhi regarded as political guru. Founded Servants of India ciety (1905).

Goldberg, Whoopie (b.1956): Actressmedienne. The Colour Purple.

Golding, Sir William (1911-'93); Ensh novelist. First novel The Lord of the Flies. oker Prize, Nobel Prize.

Goldsmith, Oliver (1728-'74): Irish et, dramatist and novelist. The Vicor of akefield.

Gombu, Nawang (b. 1936): Mountainr who climbed Everest twice. Padma Shri. dma Bhushan.

Goodyear, Charles (1800-'60): Amerin inventor who discovered the art of lcanising rubber.

Gopalakrishnan, Adoor (b. 1941): itstanding Indian script writer and film ditor. Four times winner of National Award Best Director. Phalke Award 2004.

Swayomvoram, Mathilukal. Kathapurushon, Nizhal Kuthu.

Gorbachev, Mikhali (b. 1931): Soviet leader largely responsible for the political transformation in Eastern Europe in '89. Policy of



Gopalakrishnan

'glasnost' and 'perestroika'. The Soviet Unior broke up and Gorbachev resigned ('91) Nobel Prize for Peace, '90.

Gorky, Maxim (1868-1936): Russiar writer. Mother.

Grace, William Gilbert (1848-1915): Cricketer who captained England 13 times, Scored over 54,000 runs including 126 centuries, Over 2800 wickets.

Graf, Steffi (b. 1969): German tennis legend. The third woman in tennis history to win all four major world tournaments - the Australian Open, French Open, Wimbledon and the US Open - in a single calendar year (1988). She also won the Olympic gold medal that year. Won 22 Grand Slam titles and 107 WTA titles. Retired Aug. 99. Wife of Andre Agassi.

Graham, Billy (b. 1918): Most celebrated U.S. evangelist of the 1960's and 1970's.

Graham, Katharine (1917-2001): Influential American newspaper proprietor, who as publisher of The Woshington Post presided over the decision to go public with the Pentagon papers and Watergate. Pulitzer for her memoirs Personal History.

Graham, Martha (b.1893-1991): American dancer, teacher and choreographer of more than 140 works.

Greene, Graham (1904-'91): English novelist and journalist. The Power and the Glory.

Grant, Cary (1904-86): American film star born in 8ntain as Archibald Leach. Gul Fridoy, North by Northwest.

Grass, Gunter Wilhelm (b. 1927): German novelist, poet and playwright. The Tin rum, Dog Yeors, The Call of the Toad. Nobel ize. Revealed in Aug. '06 that he had served Nazi elite force Waffen-SS.

Green, Maurice (b.1974): First sprinter er to win both 100 and 200m, at world iampionships.

Gregory XIII (1502-'85): Pope (1572-5) who introduced the Gregorian calendar. Guevara, Ernesto 'Che' (1928-'67): tin American revolutionary who took part the Cuban querrilla war and became a miner in Cuba 1959-65.

Gujrai, Inder Kumar (b. 1919): Prime inister of India from Apr. 21, 1997 to Nov. 7 and caretaker PM until Mar. 98. Formerly Union Cabinet from '67 to '76 and '89-Minister of External Affairs and Ambasdor to USSR.

Gundert, Dr. Herman (1814-'93): A iguist of Germany who lived in India, where e learnt 18 local languages and compiled a alayalam dictionary.

Gupta, Maithlil Saran (1886-1964): national poet of India, and one of the maks of modern Hindi literature, Bharat Bhorati. idma Vibhushan.

Guttenberg, Johann (1400-'68): Geran inventor who invented printing with ovable types cast in moulds.

Haffkine, Waidemar (1860-1930): rst Director of Plague Research Laboratory, ombay later renamed The Haffkine Institute. Hahn, Otto (1879-1968): German nemist, chief discoverer of nuclear fission, n which the atom bomb is based. Nobel

Haile Selassie I (1891-1975): Emperor FEthiopia, 1930-74. Deposed in 1974.

rize, 1944.

Haidane, J.B.S. (1892-1964): British iochemist and geneticist. He emigrated to ıdia in 1957.

Hammarskjoid, Dag (1905-'61): wedish diplomat. Secretary-General of the nited Nations, 1953-61. Killed in an air rash. Nobel Peace Prize, 1961.

Indian and African Elephants

The Indian elephant has smaller ears than its African cousin, and also has a higher forehead. The end of an Indian elephant's trunk has only one 'finger'. The African has two.

Hannibal (247-182 B.C.): Carthaginian general who fought two wars against Rome. Regarded as the greatest general of antiquity.

Hardy, Thomas (1840-1928): English novelist and poet, sometimes called the 'last of the Victorians'. Far from the Modding Crowd.

Harris, Joei Chandier (1848-1908): American author of the Uncle Remus stories.

Harris, Paul (1868-1947): American who founded Rotary International in 1905.

Harvey, William (1578-1657): English physician who discovered the mechanics of the circulation of blood, 1616.

Hauptmann, Gerhant (1862-1946): German writer whose play Vor Sonnenaufgamg marked the birth of German naturalist drama. Nobel Prize 1912.

Havel, Vaciav (b.1936): Dramatist who became President of Czechoslovakia (1989) and President of the Czech Republic. The Gorden Party.

Hawking, Stephen (b. 1942): British astrophysicist, widely regarded as the greatest physicist since Einstein. Victim of a degenerative nerve disease. He can communicate only through a computer, attached to his motorized wheelchair. A Brief History of Time, Black Holes and Baby Universes.

Hayek, Friedrich August Von (1899-1998): British economist. Taught at London, Chicago and Freiburg - Nobel Prize for Economics, 1974.

Hayek, Saima (b. 1966): Mexican bigeen siren. Oscar-nominated. Ranked by tune magazine as the second-richest Latin Jerican in Hollywood.

Hazarika, Dr. Bhupendra Kumar (b. 26): Renowned film-maker and composer lyrics and music. Phalke Award, '93.

Hearst, William Randolph (1863-51): A dominant figure in American jourism; built vast publishing empire.

Heath, Edward (b. 1916): British Prime nister, 1970-74.

Hedgewar, Keshavrao Baliram (1889-40): Founder of Rashtriya Swayamsevak ngh.

Hegel, Georg Wil-helm Friedrich 770-1831): German idealist philosopher: a dialectic method of reasoning. The Scice of Logic.

Hemingway, Ernest (1898-1961): Emint American novelist of new technique and de Influence. The Sun Also Rises, The Old an ond the Seo. Nobel Prize, 1954.

Hendry, Stephen (b. 1970): The greatt snooker player of all time. World Chamon six times.

Henry, O. (real name William Sydney orter) (1862–1910): Master story-teller. w Gilt of the Mogi.

Hensen, Victor (1835-1924): The Geran physiologist who first used the name ankton to describe the organisms that live spended in the sea.

Heraclitus (554-483 BC): Greek phisopher, His sayings: 'All things change'; ou cannot step into the same water ice'.

Herge (Georges Reml) (1907-83): orld famous author of Tintin cartoon ses.

Herodotus (c. 485-425 B.C.): Greek tonan, 'the father of history'.

Heyerdahl, Thor (1914- 2002): Norgian scientist and adventurer, best known his voyage aboard the Kon-Tiki raft. Hidayatuilah, Mohammed (196 '92): Jurist who was Chief Justice and la Vice-President of India, 1979-84.

Hill, Sir Rowland (1795-1879): On nator of the penny postal system.

Hillary, Edmund (b. 1919): No Zealand explorer, the first to climb Mot Everest in 1953.

Hipparchus (2nd cent.BC): Greek tronomer. Founder of systematic a tronomy.

Hippocrates of Cos (c. 430 B.C.): Gre physician, called the Father of Medicine.

Hirohito (1901-89): 124th Emperor Japan, (1926). Renounced his legendary in 1946.

Hitchcock, Alfred (1899-1980): Bi ish-American film director, 'the mast of suspense'. Vertigo, Psycho, The Birds.

Hitler, Adoif (1889-1945): Austria born German dictator. Reich Chancellor 1933 and Fuhrer in 1934; All his opponer were persecuted and murdered.

Hluen-Tsang (7th c.): Buddhist pilgri from China who visited India, 629 to 644 A.

Ho Chi Minh (1890-1969): Vietname revolutionary leader and the first Preside of North Vietnam (1954-69).

Hobbes, Thomas (1588-1679): Engli philosopher who wrote *Leviothan*.

Hodgkin, Dorothy (1910-94): Not Prize winner (Chemistry) who founds Puguash Conference on nuclear weapon. D termined the structure of penicillin, insul and Vitamin B₁₂.

Hofmann, Albert (b.1906): Swi chemist who discovered the now-banned halucinogenic drug LSD.

Homer (c. 700 B.C.): Epic poet. He supposed to have been a Greek. *The Iliod, Tl Odyssey*.

Honeker, Erich (1913-'94): The stoll Marxist who ruled East Germany for 18) runtil people's uprising swept him aside i Oct. 89.

Hope, Bob (orig. Leslie Townes Hope) (1903-2003): Great American entertainer. Has 54 honorary doctorates.

Houdini, Harry (1874-1926): Pseudonym of Erich Weiss. American escapologist.

Hughes, Howard (1905-'76): US industrialist, financier, movie maker.

Hugo, Victor (1802-'85): French poet, dramatist, and novelist. Lucrece, Les Miserables.

Hume, Allan Octavian (1829-1912): Born in London, worked in India. Founded Indian National Congress in 1885.

Hume, David (1711-76): Scottish philospher and historian.

Hussain, Dr. Zakir (1897-1969): Second Vice-President and third President of India ('67-'69). Nationalist, educationist. Bharat Ratna.

Hussain, Maqbool Fida (b. 1915): Leading Indian artist. Member, Rajya Sabha, '86. Padma Bhushan, Padma Vibhushan.

Huxley, Aldous (1894-1963): English novelist. Grandson of T. H. Huxley (1825-95, biologist-educator, ardent evolutionist), brother of Julian Huxley (1887-1975, biologist and writer, first D-G of UNESCO), and grandnephew of Mathew Arnold. Brave New World.

Huygens, Christiaan (1629-'95): Dutch mathematician. Invented pendulum clock.

lacocca, Lee (b. 1924): American management wizard of Italian origin. Headed Ford Motor Company, and later Chrysler Corporation.

Ibsen, Henrik Johan (1828-1906): Norwegian playwright and poet. 'the father of modern drama'. Ghosts, A Doll's House.

Ilalyaraja (b. 1943): Superstar of Indiafilm music. Music director of nearly 700 fires

Inonu, Ismet (1884-1973): Turcs: leader, president ('38-'50), PM thrice catween 1923 and '65.

Iqbal, Muhammad (1877-1935): Tie । greatest 20th century Indian poet क्र अवस्य ग s Urdu. The Secrets of the Self, राज्य उद्याद्ध प्रोटेस-

A Portrait

The first person portrayed on a postage stamp was Queen Victoria I. It was a profile based on an effigy by William Wyon in 1837, when Victoria was only 18. The profile was used for the Penny Blackand Two pence Blue of 1840. It remained in use throughout the next 62 years.

nity. Author of the famous line 'Sare jahan : acha yeh hindustan hamara'.

Isinbayeva, Yelena (b. 1982): The un disputed queen of women's pole vault, th first female, from Russia, to cover five metre She says she is chasing men's pole vault lea end Bubka's total of 35 world records.

Ivan the Terrible (1530-'84): Crowre as the first Tsar or Russia in 1547; an arecratic ruler.

lyer, Semmangudi Srinivasa (1947) 2003): Great musician (Carnatic) of media Padma Vibbushan

lyer, Ulloor S. Parameswara 1949): Indian poet (Malayalam, and american istrater

Jackson, Michael Joe (E. 1355): 🚐 latitudex American singer and email a 144 has grown into a legend That Sales 47 m), Dangerous, Firm

lacison, Rev. Jesse 😉 😘 😁 can avil nghts leaces.

jagger, Mick (E. 1944) --- - = -The Rolling Stones on production Jailoun, Tainer her in 1990 CEL KICKET WITH THE PARTY OF

Jatti, Basappa 2002): 沉远 严重

Formerly Chief v ernor of Criss

14

Jayadeva (12th c.): Famous Sanskrit et. Gito Govinda.

Jayalalithaa, Jayaram (b. 1948): Indian n actress-turned-politician, AIADMK chief d Tamil Nadu CM (91-96, 2002-'06).

Jefferson, Thomas (1743–1826): Third nerican president (1801-9), author of *The* eclorotion of *Independence*.

Jenner, Edwa rd (1749–1823): English untry practitioner who invented vaccination. Jinnah, Mohammed Ali (1876–

948): Pakistani statesman, who became resident of the Muslim League. First Gover-or-General of Dominion of Pakistan, 1947. Joan of Arc, St. (Jeanne D'Arc) (1412-11): French patriot and national heroine alled the Maid of Orleans; of peasant parnage, she believed herself called to save

rance from English domination. Captured y the English, she was burned as a heretic, ut canonised in 1920.

John Paul II (1920-2005): The first nonalian Page in 455 years and the first Polich

Jonson, Ben (c. 1573-1637): English ramatist and poet who ranks with hakespeare. *The Alchemist*.

Johnson, Dr. Samuel (1709-'84): Enlish lexicographer, critic and literary figure. lictionary was publised in 1755. Rasselas.

Johnson, Lyndon Balnes (1908-'73): resident of the United States, 1963-'69.

Johnson, Michael (b.1967): The first ian to complete the 200-400 m. double at major international championship.

Joilot-Curie, Jean Frederic (1900-'58) nd his wife Irene (1896-1956): French ientists who discovered artificial radioactivy. Nobel prize winners, 1935.

Jones, Slr William (1746-'94): British dologist. Mastered 28 languages.

Jones, Wilson (b. 1922): Twelve-time national amateur billiards champion of India; winner of three world titles.

Jordan, Michael (b. 1963): US basketball player. He played for the Chicago Bulls (1984-93, 1995 -). He announced his retirement in 1999.

Jooss, Kurt (1901-79): Dancer and choreographer of Germany, whose dance dramas combined modern dance with ballet techniques.

Joshl, Pandit Bhimsen Gururaj (b. 1922): Internationally acclaimed Hindustani vocalist, who has led the renaissance of Indian classical music.

Joule, James Prescott (1818-'89): British physicist. Gave his name to the unit measuring energy.

Jung, Carl Gustav (1875-1961): Swiss psychologist, one of the founders of analytical psychology. Worked with Freud.

Jussleu, Bernard de (1699-c.1777): French botanist who devised the system of plant classification based on natural affinities.

Kadare, Ismaii (b.1934): Exiled Albanian writer. Essays, poems and works of fiction. Translated into more than 40 languages.

Kafka, Franz (1883-1924): Czech-born

German novelist. The Triol, The Castle.

Kalam, Dr. Abdui Avui Pakir Jainulabdeen (b.1931): President of India since July 15, 2002. Former Scientific Adviser to Defence Minister. The man



Jr. Abdul Kalam

behind India's missile programme. Known for his dedication to science, commitment to professional excellence and simplicity of lifestyle. Bharat Ratna, 1998.

Kalashnikov, Mikhaei (b. 1919): Russian; creator of the famous Kalashnikov rifle (1946).

Kalldasa (c. A.D. 400): India's greatest poet, dramatist and chief figure in classic Sanskrit literature, known as Indian Shakespeare. Abhigyono Shokuntolom, Kumorosombhovo, Meghodoot, Roghuvomso etc.

Kamalahasan (b. 1954): India's top film actor who won three national awards and 15 Filmfare awards in 37 years. Appu Rojo, Sodmo.

Kamaraj, Kumaraswami (1903-'75): Leader of the Indian national movement: President, Indian National Congress 1963; earlier Chief Minister, Tamil Nadu (1954-'63). Bharat Ratna.

Kane, Pandurang Vaman (1880-1972): Indian indologist, orientalist, social reformer. History of Dharmasastra. Bharat Ratna, 1963.

Kanishka (1st or 2nd century C.E.): The greatest ruler of the Kushan dynasty, with his capital at Purushapura or peshwar, Patronised Buddhism.

Kant, Immanuei (1724-1804): German philosopher. Critique of Pure Reason.

Kapil Dev (Nikhanj, Kapil Dev) (b. 1959): Indian cricket all-rounder, former captain and national team coach. World record of claiming 100 wickets in the shortest time. Achieved the unique double of 4000 runs and 400 wickets, the first ever player to do so. Set world record of 432 wickets in test matches in Feb.1994.

Kapoor, Raj (1924-'88): Indian film actor, director, producer; one of the greatest entertainers the country has produced. Borsoot, Aworo, Shri 420, Songom.

Kapoor, Shekhar (b. 1946): Indian film director. Bondit Queen, Elizobeth.

Karanth, Shivarama (1902-1997): A literary giant; novels, plays, travelogues, essays, general science encyclopedia. Chomono Dudi.

Karat, Prakash (b. 1948): General Secretary of CPI (M) elected 2005. Wife Brinda Karat, first woman Politburo member.

Karnad, Girish Raghunath (b.1938): Noted Indian playwright, actor and director. Chairman, Sangeet Natak Akademi, (1988-

An Early Car

Henry Ford's Model T Ford car first appeared in 1908. It was particularly attractive to the dispersed rural communities of the American Mid-West. By 1927, more than 15 million Model Ts had been sold.

93). Director, Nehru Centre, London. Gyanpith.

Karpov, Anatoly (b. 1951): Soviet chess champion, 1975-85; the highest-rated player in chess history.

Karthikeyan, Narain (b. 1977): First Indian to drive a Formula One car. Formula Asia Champion, 1996. Secured drive with fordan for 2005 season.

Karve, Dhondo Keshav (1858-1962): Indian social worker who championed the causes of widow marriage and women's education, Bharat Ratna.

Kasavubu, Joseph (1917-69): First President of Independent Congo, ousted by Joseph Mobutu in 1965.

Kasparov, Garry (b. 1963): Russian chess grandmaster. Highest-rated player in chess history, the youngest-ever world champion in 1985.

Kaunda, Kenneth (b. 1924): Architect of the independence of Zambia and its first presdent (1964-'91). Freed in June '98 arter five months under house arrest on coup pict charges.

Kawabata Yasunari (1899-1972): Japanese novelist, one of ne Necumpressionists: Works (Snow Country The Young of the Mountoin) are characterized ಈ melancholy and Ioneliness. Committee studide. Nobel Prize, 1968.

Kazan, Ella (1909-2003): US film arector, born in Turkey, A Street - Variety les sire, On the Watermont

eats, John (1795-1821): Youngest of najor poets of the romantic period in Enliterature. Odes, Isobello.

elappan, Klzhariyoor (1890-1971): odaya leader and social reformer, la.

eller, Helen (1880-1968): American or and educator of the blind. Deaf and I when 19 months old. Inspiration to ons of blind and deaf people all over the d. The Story of My Life.

elly, Grace (1929-'82): American film ass who married Monaco's Prince Rainier and left acting.

eneally, Thomas MIchael (b. 1935): ralian writer. His novel Schindler's Ark won 2 Booker Prize. It was made into a prize winfilm by Steven Spielberg - Schindler's List. ennedy, John Fitzgerald (1917-'63): U.S. President (1961-3). Youngest to be ted. A man of vision and courage. Assas-

ie**nyatta, Jomo (1894-1978):** A tall Afn leader who was the first President of ependent Kenya.

ted. Profiles in Courage.

Sepler, Johannes (1571-1630): Gerastronomer and mystic.

Kevorklan, Dr. Jack (b.1928): Patholo-, known as Dr. Death for assisting in suie of terminally ill patients in pain. Prosted.

Leynes, John Maynard (1883-1946): most influential British economist of early century. The General Theory of Employnt, Interest and Maney.

thaljl, Alauddin (1255-1316): Delhi r who came to power by murdering his d father-in-law. Able and ruthless, gained treasure by conquests.

t**han, Bismillah (1916-2006):** Shehnai estro from Varanasi, India. Bharat Ratna, 1.

...
han, Khan Abdul Gaffar (1890-8): The 'Frontier Gandhi' worked among Pathans of North West Frontier Province. Built the Khudai Khidmatgar (Servants of God) movement; opposed partition of India. Bharat Ratna, 1987.

Khan, Liaquat All (1895-1951): Leader of the Muslim League (1946) and first premier of Pakistan (1947). Assassinated.

Khan, Mohammed Ayub (1907-'74): Military leader; President of Pakistan, 1958-69.

Khan, Ustad Allauddin (1862-1972) of Malhar: One of the all-time greats of the century in the Hindustani music tradition.

Khorana, Har Gobind (b. 1922): Bom in India, a naturalized citizen of USA. Synthesized the first wholly artificial gene. Shared Nobel prize, 1968.

Khosla, Vinod (b. 1955): Co-founder of Sun Microsystems. One of world's most influential venture capitalists. General Partner at venture capital firm Kleiner Perkins Caufield & Byers.

Khrushchev, Nikita Sergeyevich (1894-1971): The Russian statesman who became the leader of the Soviet Union soon after the death of Stalin. First Secretary 1953-64; PM, 1958-64.

Khusro, A.M. (1925-2003): Indian Agricultural economist who was Chairman of the 11th Finance Commission. Headed Delhi's Institute of Economic Growth. Formerly Member, Planning Commission, Chancellor of AMU, Ambassador to Germany. Editor, Financial Express.

Khusro, Amir (1253-1325): The Persian poet of Delhi who is believed to be the father of Sahatara (Sitar). Saw 11 Badshahs and served under 7 sultans.

Klerkegaard, Soren Aabye (1813-'55): Danish philosopher, regarded as the founder of existentialism.

Kilby, Jack S (1924-2005): Inventor of the integrated circuit (commonly called the microchip) that gave rise to the information age. Nobel Prize in Physics.

Kim Woo Choong (b. 1936): The South

n tycoon who built the Daewoo Group global empire (\$ 67 billion in annual It crashed and he fled the country, ed of fraud and smuggling, to return in 2005.

ng, Billie Jean (b. 1943): American player. Wimbledon champion 5 times en 1966 and 1973; US champion 4 20 titles between 1961 and 1979. g, Larry (b. 1933): American TV host.

ig, Martin Luther, Jr. (1929-'68): American clergyman, a non-violent civil leader and Negro integration leader; Peace Prize. Assassinated. Why We Wait.

gsley, Ben (b. 1944): London-based who played the role of Gandhi in porough's film, Gandhi. Oscar

ling, Rudyard (1865-1936): British born in Bombay. *Kim, Jungle Books*. prize.

singer, Henry (b. 1923): American n policy expert, Secretary of State -6). Known for his 'shuttle diplomacy'. d Nobel peace prize (1973).

chener General Lord Horation ert(1850-1916): C-in-C of Indian 1902-07.

chlew, Salfuddin (1888-1963): Ase of Mahatma Gandhi, founder Presiof the All India Peace Council. Stalin Prize.

ch, Robert (1843-1910): German ian and bacteriologist who discovered cillus of tuberculosis. Nobel prize, 1905. hl, Helmut (b. 1930): First Chancelunited Germany in 1990. Chancellor st Germany from 1982-'90. Influenced ean affairs for two decades.

sygin, Alexel Niklayevich (1904-Chairman of the Council of Ministers USSR (PM) after Khrushchev ('64).

tnis, Dr. Dwarkanath (1910-'42): gendary Indian doctor who became the of the Indian medical mission to war-

The Golden Girl

The first Indian woman to enter an Olympic final (Los Angeles), P.T. Usha clocked her best-ever timing of 55.42 sec. in the 400 m. hurdles, an Asian record, in 1984. She is known as Payyoli Express, Sprint Queen and Golden Girl.

torn China in 1938.

Kramnik Vladimir(b.1975): Of Russia. World Chess Champion.

Kripalani, Acharya, J.B. (1882-1982): Freedom fighter, parliamentarian, close associate of Mahatma Gandhi, President of INC 1946. Started Kisan Mazdoor Party and Praja Socialist Party. Wife SUCHETA (1908-'74): freedom fighter and first woman Chief Minister of independent India (U.P.), 1963-'67.

Krishan Kant (1927-2002): Vice-President of India(1997-2002). Gandhian and freedom fighter. Rajya Sabha, '66-'77. Lok Sabha, '77. Governor, A.P. for 7 years.

Krishnamurthy, Jiddu (1895-1986): Indian philosopher of international reputation. At 20, he headed a new sect 'The Order of the Star of the East'. The Songs of Life.

Krishnamurthy, Kalki (1899-1954): Tamil novelist, short story writer and music critic.

Kruger, Paul (1825-1904): South African statesman. Secured independence of Transvaal, of which he was president four times. Resisted spread of British influence.

Krupp, Alfred (1812-'87): German armaments magnate.

Kublal Khan (1216-'94): The first Mongol emperor of China. Extended Mongol empire by conquest and lived in unparalleled splendour.

Kumar, Ashok (1911-2002) longest serving film star. Debu Achhut Kanyo, Kismet, Ashinvad. Ph.:

Management You

Keats, John (1795-1821): Youngest of he major poets of the romantic period in Enalish literature. Odes, Isabella.

Kelappan, Kizhariyoor (1890-1971): Sarvodaya leader and social reformer, (erala.

Keller, Helen (1880-1968): American author and educator of the blind. Deaf and alind when 19 months old. Inspiration to millions of blind and deaf people all over the world. The Story of My Life.

Kelly, Grace (1929-'82): American film actress who married Monaco's Prince Rainier II and left acting.

Keneally, Thomas Michael (b. 1935): Australian writer. His novel Schindler's Ark won 1982 Booker Prize. It was made into a prize winning film by Steven Spielberg - Schindler's List.

Kennedy, John Fltzgerald (1917-'63): 35th U.S. President (1961-3). Youngest to be elected. A man of vision and courage. Assasinated. Profiles in Courage.

Kenyatta, Jomo (1894-1978): A tall Afican leader who was the first President of ndependent Kenya.

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Khan, Khan Abdul Gaffar (1890-988): The 'Frontier Gandhi' worked among the Pathans of North West Frontier Province. Built the Khudai Khidmatgar (Servants of God) movement; opposed partition of India. Bharat Ratna, 1987.

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Korean tycoon who built the Daewoo Group nto a global empire (\$ 67 billion in annual sales). It crashed and he fled the country. accused of fraud and smuggling, to return nome in 2005.

King, Billie Jean (b. 1943): American ennis player. Wimbledon champion 5 times petween 1966 and 1973; US champion 4 imes. 20 titles between 1961 and 1979.

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Kissinger, Henry (b. 1923): American oreign policy expert, Secretary of State (1973-6). Known for his 'shuttle diplomacy'. Shared Nobel peace prize (1973).

Kitchener General Lord Horation Hubert(1850-1916): C-in-C of Indian Army, 1902-07.

Kitchiew, Saifuddin (1888-1963): Associate of Mahatma Gandhi, founder President of the All India Peace Council. Stalin Peace Prize.

Koch, Robert (1843-1910): German physician and bacteriologist who discovered the bacillus of tuberculosis. Nobel prize, 1905.

Kohl, Helmut (b. 1930): First Chancelfor of united Germany in 1990. Chancellor of West Germany from 1982-'90. Influenced European affairs for two decades.

Kosygin, Alexei Nikiayevich (1904-'80): Chairman of the Council of Ministers of the USSR (PM) after Khrushchev ('64).

Kotnis, Dr. Dwarkanath (1910-'42): The legendary Indian doctor who became the hero of the Indian medical mission to war-

The Golden Girl

The first Indian woman to enter an Olympic final (Los Angeles), P.T. Usha clocked her best-ever timing of 55.42 sec. in the 400 m. hurdles, an Asian record, in 1984. She is known as Payyoli Express, Sprint Queen and Golden Girl.

torn China in 1938.

Kramnik Viadimir(b.1975): Of Russia. World Chess Champion.

Kripalani, Acharya, J.B. (1882-1982): Freedom fighter, parliamentarian, close associate of Mahatma Gandhi, President of INC 1946. Started Kisan Mazdoor Party and Praja Socialist Party. Wife SUCHETA (1908-'74): freedom fighter and first woman Chief Minister of independent India (U.P.), 1963-'67.

Krishan Kant (1927-2002): Vice-President of India(1997-2002). Gandhian and freedom fighter. Rajya Sabha, '66-'77. Lok Sabha, '77. Governor, A.P. for 7 years.

Krishnamurthy, Jiddu (1895-1986): Indian philosopher of international reputation. At 20, he headed a new sect 'The Order of the Star of the East'. The Songs of Life.

Krishnamurthy, Kalki (1899-1954): Tamil novelist, short story writer and music critic.

Kruger, Paul (1825-1904): South African statesman. Secured independence of Transvaal, of which he was president four times. Resisted spread of British influence.

Krupp, Alfred (1812-'87): German armaments magnate.

Kubiai Khan (1216-'94): The first Mongol emperor of China. Extended Mongol empire by conquest and lived in unparalleled splendour.

Kumar, Ashok (1911-2002): India's longest serving film star. F in 1936. i greatist Achhut Konya, Kismet, Ashin

Kumar, Dilip (b.1922): Top matinee iol of India. Andaz, Devdas, Mughal E Azam, eedar. Phalke award.

Kundera, Milan (b. 1929): Czech novist. The Unbearable Lightness af Being.

Kurien, Dr. Verghese (b. 1921): 'Faner of India's white revolution', a synonym or co-operative milk sector. The brain beind Operation Flood. Chairman, NDDB un-I 1998. World Food Prize ('89), Magsaysay ward ('63), Padmavibhushan.

Kurosawa, Akira (1910-'98): Japan's reatest filmmaker, creator of such classics s Rashamon and The Seven Samurai.

La Fontaine, Jean De (1621-'95): rench poet of the Fables and author of stoies in verse.

Laden, Osama bin (b. 1957): Saudi Arabian millionaire - 'most wanted' in several errorist attacks. Prime suspect in the destrucion of WTC, New York.

Lahiri, Jhumpa (b.1967): Writer of Indian origin. Won Pulitzer Prize (2000) for 'The Interpreter of Maladies: Stanes of Bengal, Boston and Beyond'.

Lakshmibai, Rani of Jhansi (1835-'58): Queen of Jhansi, a brave warrior who took active part in the first war of Indian independence.

Lao Tsze (c. 600 B.C.): Chinese philosopher who founded Taosim.

Laski, Haroid Joseph (1893-1950): British political scientist, influential Fabian. Taught at London School of Economics.

Laxman, Rashipuram Krishnaswami (b.1927): Outstanding Indian cartoonist. Magsaysay award, 1984.

Lay, Kenneth (1942-2006): Founder, chairman and CEO of Enron, the giant energy company which collapsed. He was convicted of fraud and conspiracy, died while awaiting sentencing.

Le Carre, John (pen-name of David ohn Moore Cornwell (b. 1931): English writer of thrillers, who had been a diplomat. The Spy Who Came In From The Cold.

Le Corbusier (1887-1965): Pseudony of architect Charles Edouard Jeanneret. Bo in Switzerland, became a French citizen 1930. Architect of Chandigarh (India).

Leakey, Louis Seymour Bazett (190. '72): Kenyan-born British archaeologist ar anthropologist, and Mary Doughlas Leakey (1913), English archaeologist. Made sever important discoveries about men's origins East Africa. Their son Richard Leakey (b. 194 is another renowned archaeologist of Keny.

Lebrun, Albert (1871-1950): A minir engineer who became the last President France's Third Republic.

Lee, Harper (b.1926): Pulitzer Prize wi ning author of To Kill a Mockingbird. Enigmati reclusive never published another book.

Leigh, Vivien (1913-'67): British actre who won Oscar in 1940 for Gone With Ti Wind portraying Scarlett O'Hara.

Lendi, Ivan (b. 1960): Tennis playe born in Czechoslovakia. Former world No.

Lenin (Viadimir liyich Ulyanov (1870-1924): Russian revolutionary lead and statesman who liberated the count from the Tsars (1917). Then headed the S viet government until his death.

Leonardo da Vinci (1452-1519): great genius, one of the master artists of the high Renaissance. Italian. Man of science who was painter, architect, philosopher, paccomposer, sculptor, athlete, mathematicia inventor, and anatomist. Last Supper ar Mana Lisa.

 Lesseps, Ferdinand (1805-'94): Frence engineer who built the Suez Canal in 1869

Lewis, Cari (b. 1961): American winer of 8 Olympic gold medals and former 10 m. world record holder. In 1984 he won for Olympic gold medals.

Lie, Trygve (1896-1968): Norwegic politician who became the first U.N. Sec.-Gen. ('46-53).

Lincoln, Abraham (1809-'65): Six-

teenth president of USA (1861). Formed Republican party in 1856 to oppose slavery. Assassinated.

Lippmann, Walter (1889-1974): American journalist of influence. His column was carried world-wide.

Liszt, Franz (1811-'86): Hungarian-French composer. Debut at age 11. Transcendental Etudes, Paganini Etudes, A Faust Symphony.

Livingstone, David (1813-'73): Scottish missionary and explorer in Africa. He discovered the course of the Zambezi, the Victoria Falls and Lake Nyasa (now Lake Malawi).

Lloyd Webber, Andrew (b. 1948): British composer. Rock opera Jesus Christ Superstar. Cats, the longest running musical ever in London and New York.

Lloyd-George, David (1863-1945): British statesman and author of modern British social welfare legislation. PM 1916-'22.

Locke, John (1632-1704): English philosopher. An Essay Concerning Human Understanding.

Lohia, Dr. Ram Manohar (1910-'67): Indian socialist, Member of Parliament, writer.

London, Jack (1876-1916): American writer known for short stories and adventure tales. Call of the Wild.

Longfeilow, Henry Wadsworth (1807-'82): American poet. The Golden Legend, Hiawatha.

Lopez, Jennifer (b. 1970): American singer and actress of Peurto Rican parentage. Highest-paid Latina actress in Hollywood history. Her debut album 'On the 6' was a major hit with the infectious single "If you had my love".

Loren, Sophia (b.1934): Italian actress, two Oscars. Two Women, Millionairess.

Lorenz, Konrad (1903-1989): Zoologist from Austria, Co-founder of modern ethology, Authored On Aggression. Shared Noble Prize, 1973.

As Big as a Head of State

Benjamin Franklin was the first person other than a head of state portrayed on a postage stamp. Appeared on the US 10c, stamp in July, 1847. Franklin was the first Postmaster General of the US.

Lores, Bonney (1898-1994): Pioneering aviatrix (of Australia) who in 1933 became the first woman to make the solo trip from Australia to England, flying without a radio.

Loreton, Erhard (b. 1959): The Swiss mountaineer who is the third man to have climbed world's 14 highest peaks.

Louis XIV (1638-1715): King of France. Longest reign (61 years). A despotic ruler, dominated the Europe of his day. His exhausting wars weakened France.

Lovelock, James (b.1919): Creator of the field of Geophysics, responsible for much of our environmental consciousness.

Loyola, St. Ignatius of (1491-1556): Spanish founder of the Society of Jesuits, a missionary order.

Lumumba, Patrice (1925-'61): Congolese politician. Premier at Independence. Civil war resulted in his murder.

Luther, Martin (1483-1546): German religious reformer who began the Protestant Reformation.

Lutyens, Slr Edwin (1869-1944): English architect; City plan of New Delhi, viceroy's house, British Embassy in Washington and Roman Catholic cathedral of Liverpool.

Luxemburg, Rosa (1871-1919): Polish born German revolutionary and socialist theorist.

Lynch, Peter (b. 1944): America's leading money manager, financial consultant. One Upon Wall Street, Beating The Street.

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One Upon Wall Street, Beating The Street.



, John Loudon (1756-1836): ntor of the 'macadamising' sys-

nur, Douglas (1880-1964): US

my chief of staff. In WWII, he rean's surrender in Sept. 1945. Alnander of the postwar occupation

Active role in Korean war. Differre-_{th} President H. Truman ended his

aulay, Thomas Bablington (1800-

English historian, poet and Indian civil nt. Reformed the Indian education sys-

Jachride, Sean (1904-88): Irish statesn, Chief of Staff of IRA, founder of Irish publican Party, external affairs minister, first lairman of Amnesty International (1961-

5). Nobel Peace Prize, 1974.

Machel, Samora (1933-86): Mozambique politician, first President, died in air crash. His widow Graca married Nelson

Mandela.

Machlavelli, Niccolo (1469-1527): Italian writer and diplomat. Name associated (erroneously?) with immorality and despotism in politics. The prince.

Madhavacharya (1238-1317): Exponent of Dwaita philosophy; wrote commentaries on Gita, interpreted Upanishads in a

Madonna (Madonna Louise Veronica Ciccone) (b. 1958): World's number one new way. female pop star with over 80 m. albums sold and more consecutive top hit singles than the

Beatles; a self-made icon. Italian American. Magellan, Ferdinand (c. 1480-1521): portuguese navigator, and commander of the

first expedition (1519) to circumnavigate the Mahalanobis, Prasanta Chandra globe.

(1893-1972): Economist and statistician, who contributed to laying the foundation of India's statistical system and economic planning.

Mahapatra, Kelucharan (1926-2004): Exponent of Odissi dance. Trained and produced two generations of world-class dancers,

Mahapatra, Sitakanta (b. 1937): Onya

poet. IAS officer, Gyanpith award.

Maharal, Pandit Birju (b.1937): Eminent Kathak dancer. Padma Vibhushan in

Mahayira, Vardhmana (6th cent. 1986.

B.C.): Indian. Founder of Jainism, which

teaches the sacredness of all life.

Mahesh Yogl, Maharishi(b.1911?): Immensely rich Indian Yoga expert. Transcendental Meditation movement in 1959. Founder the Maharishi University of Management Mahmood, Talat (1924-1998): Ce

ebrated ghazal and playback singer. Li Mangeshkar award 1995.

Makarlos III (1913-77): Archbist head of the Greek Orthodox church and _{riot national leader}. President of Cy

Malaviya, Madan Mohan (1861-1960.

1946): Indian patriot, national leader and social reformer. Founder of Hindu Mahasabha

(1906) and Banaras Hindu University (1916). Malcom X (1925.'65): Born Malcom

Little, also known as El Hajj Malik El-Shabass. US black militant leader who preached black people must create a separate society by violence, if necessary. Assassinated.

Mallnowski, Bronislaw (1884-1942) of Poland. Father of social anthropology.

Malleswarl, Karnam (b. 1976): Índia weight-lifter. First Indian woman to win Olympic medal (bronze, Sydney). Ra

Gandhi Khel Ratna Award. Malthus, Thomas Robert (17

1834): British economist who conte that population increases faster that means of subsistence and that its o could only be checked by moral rest

by disease and war.

Mandela, Nelson Rollhlala (b First black President of South Africa (iprisoned for about 27 years (1964-1990) r fighting apartheid. Under his leadership, outh Africa became a non-racist democracy. iarat Ratna, 1990. Nobel Prize, '93. Long olk to Freedom.

Manessier, Alfred (1912-'93): One of ance's greatest abstract artists; also a masr of tapestry and stained glass.

Mangeshkar, Lata (b. 1929): Melody ieen of India. Most prolific playback singer ace for half a century. Phalke award, Rajiv Gandhi dbhavana Award, Bharat Ratna (2001).

Mani, Ehsan (b. 1945): Pakistani, the ird President of ICC.

Manin, Daniele (1804-57): Italian paot who was imprisoned for opposing Ausan rule of his town Venice. After the Revotion (1848) he became President of the new netian Republic.

Manohar, Sujata Vasant (b. 1934): dia's second woman judge of Supreme ourt. (The first-Fathima Beevi).

Mansingh, Sonal (b.1944): Started entre for Indian Classical Dances (1977). rst woman to learn Chhau dance.

Mao Zedong (1893-1976): Architect the Chinese Revolution and founder of the ople's Republic of China. Experiments inude 'Communes', the 'Great Leap Forward' nd the 'Cultural Revolution' (65-69). Writgs have influenced revolutionary thinking.

Mappillal, K. C. Mammen (1873-953): Eminent journalist, social worker and ommunity leader of India (Kerala). He was fluenced and inspired by his uncle Kandathil arghese Mappillai, a renowned litterateur, ho in 1888 founded Malayala Manorama, idia's first language daily to sell over a milon copies. Mammen Mappillai's son K.M. 1athew (Padma Bhushan '98) is its present hief Editor.

Maradona, Diego (b. 1961): Argentinin football star. Famous for the 'hand of God' oal against England in 1986. Banned for 15 nonths for drug problems.

A Film-maker's Income

How much does film director Steven Spielberg earn in a minute? 342 dollars.

Marceau, Marcel (b.1923): The Picasso of the mime. Bip, his celebrated mime creation.

Marconi, Gugilelmo (1874-1937): Italian inventor who developed the use of radio waves as a means of communication. Nobel Prize.

Marggraf, Andreas Sigismund (1709-82): German chemist. His discovery of beet sugar led to the development of the sugar industry.

Marle Antoinette (1755-'93): Queen of France, wife of Louis XVI; accused of treason, beheaded in the French Revolution.

Mariowe, Christopher (1564-'93): English dramatist and precursor of Shakespeare. Dr. Faustus, Tamburloine.

Marquez, Gabriel Garcia (b.1928): Colombian writer and poet. Nobel Prize, 1982. One Hundred Years of Solitude.

Marshall, George Catlett (1880-1959): U.S. Secretary of State (1939-'45). Known for the Marshall Aid plan for European reconstruction. Nobel prize for peace (1953).

Marti, Jose (1853-95): Cuban leader of the independence struggle; poet.

Martin du Gard, Roger (1881-1958): French novelist known for his 8-novel series Les Thiboult dealing with family life in early 20th century. Nobel Prize, 1937.

Martin, Ricky (b.1971): Latino pop singer, a member of Menudo, the Puerto Rican boy band.

Marx, Karl (1818-'83): Great German socialist thinker. With friend Engels, wrote the Communist Monifesto (1845) modern international co Kopital.

LEDGE

00 (1906-'98): Politician.

Dr. R.A (b. 1943); Direc-

CSIR. Elected Fellow of the

(1876-1917): (Margarethe lle) Dutch spy. A dancer in Pans

vers, she became a German spy

Dr. John (1886-1959): Econonistrator and educationist. Union

inister, V-C of Bombay and Kerala es, Padma Vibhushan. Wenzel

um Lothar (1773-1859): Austrian Klemens an. As Foreign Minister, helped form adruple Alliance which defeated Na-

upassant, Guy De (1850-'93): h author, one of the masters of the short . La Parure (The Necklace).

Mauresmo, Amelle (b.1979): First nch women in 81 years to win Wimbledon gles title, beating Belgium's Justine Henin-

Mavalankar, Ganesh Vasudeo (1888ardenne in July, 2006. 1956): First Lok Sabha Speaker, who had played active role in India's Non-cooperation

and Civil Disobedience movements. Maxim, Hiram Stevens (1840-1916):

American who invented the Maxim machine gun.

Maxwell, James Clerk (1831-'79): British physicist, whose work revolutionised fundamental physics. First scientific paper at 15.

Mayer, Louis Burt (1885-1957): Film executive of note in USA in the thirties and forties. Founded a film production company in 1912. Vice President of Met o-Goldwyn-Mayer.

Mazarin, Jules (1602-61): French cardinal and statesman, born in Otaly. Chief minister under Anne of Austria.

Mazumdar Shaw, Kiran (b.1953): Entrepreneur who has become India's richest woman. 'India's biotech queen'. M.D. of

Biocon, one of world's leading biotechnology companies. Padma Bhushan, 2005.

Mazzini, Gluseppe (1805-'72): Italian

patriot: dominated movement for nationalism. Mboya, Tom (1930-69): Kenyan politi-

cal leader. General Secretary of KANU, minister under Jomo Kenyatta. Assassinated

McEnroe, John (b. 1959): U.S. tennis genius, youngest to win U.S. men's singles

McLuhan, Marshall (1911-1980): Ca-(1979).

nadian communications writer, The Medium is the Massage.

Meera Behn (1892-1982): British disciple of Gandhiji. Real name Madeline Slade.

Mehmood, Talat (1924'98): Chazal Padma Vibhushan.

singer par excellence. Once Dilip Kumar's voice.

Mehndi, Daler (b. 1968): Populal punjabi pop singer. Landed a Rs. 2.75 cl contract in June, '98, the biggest ever sing

Mehta, Pherozeshah (1845-191) deal for a singer in India.

One of the founders of the Indian Natio Congress, a pioneer of 'Swadeshi'.

Mehta, Ved (b. 1934): Indian author and journalist. Settled in New York. Blind a

age 3. Writer for the New Yorker. Portrait India, Face to Face, Walking the Indian Streeu. Mehta, Zubin (b. 1936): Indian-born

musician and conductor of world-famous israel Philharmonic Orchestra and the 130member New York Philharmonic Orchestra. The Knight of the Legion of Honour (Paris, 2001), Life Membership of Vienna Philharmonic (Orchestra, 2001).

Melr, Mrs. Golda (1898-1978): First woman to be Israeli Prime Minister, 1969-1974. Menchu, Rigoberta (b. 1959): Guale

malan Indian leader and human rights campaigner. Nobel Peace Prize, 1992. Mendel, Gregor Johann (1822-184)

Austrian botanist who discovered the bas

laws of heredity.

cara (1898-1982): Indian diploouthor. Foreign Secretary whose son non jr. also held the same post later. i Troika.

n, Vallathol Narayana (1878-Indian (Malayalam) poet, patriot. of Kerala Kala Mandalam, Badhira-

n, Vengalii Krishnan Krishna 974): Defence Minister and Minisut Portfolio in Nehru Cabinet. Orariter, distinguished himself with innt eloquence at the U. N. on Kash-1955.

olinist. b. New York of Russian Jewish First appeared as soloist at age 7. uri, Melina (1924-'94): Greek acactivist. Became an instant internar ('60) in Never On Sunday.

ihin, Yehudi (1916-'99): World-

II, Charles (1885-1956): Ameristment banker, who co-founded nch & Co. elangelo (1475-1564): Italian

culptor, architect and poet. Painted g of the Sistine Chapel (a surface of 00 square feet), Last Judgement, Pieta. ohn Stuart (1806-'73): English ner and economist. On Liberty.

, Alan Alexander (1882-1956): umorist and poet whose work for

s still widely

n, John 4): English ter he went vrote Parat, one of reatest epadise Re-



ndìa's high-

d female tennis player and first In-

Anita Desai

The Merchant Ivory film "In Custody" (1993) was based on Anita Desai's novel of the same name. Born in 1937 to a German mother and an Indian father, she authored "Fasting, Feasting" (1999), shortlisted for the Booker Prize.

dian woman to enter the third round of a Grand Slam tournament (Australian Open 2005). Reached US Open fourth round, 2005.

Mitra, Sombhu (1915-'97): A peerless stage actor with great influence on Indian theatre scene.

Mittal, Lakshmi (b. 1950): Billionaire owner of Mittal Steel Co., steel-maker across four continents, who in 2006 with steel giant Arcelor formed world's largest steel company, Mittal Arcelor. Son Aditya Mittal Is its CFO. Lakshmi Mittal built up his empire from a single steel mill on Indonesian rice fields in 1976. He was named world's 15th most admired CEO in 2005.

Mitterrand, Francols (1916-'96): French socialist politician, fourth president of the Fifth Republic, 1981. Re-elected, 1988.

Modigliani, Amedeo (1884-1920): Italian painter and sculptor.

Mahathir Mohamad, Dr. (b.1925): Prime Minister of Malaysia since

Mohammed, Prophet (570-632): Mohammed is believed by Muslims to be the Last Messenger of God to mankind. The Quran, the Sacred Book of Islam, is believed to be the Word of God, revealed to Mohammed in stages over 23 years. Received the first revelation and the command to preach at the age of 40; taught that the only one God. Forced to migrate from

to Medina in 622, the year of the Hegira. He returned to Mecca, where the Kaaba is regarded as the holiest shrine in Islam and the focal point of the Haj pilgrimage.

Mollere (Jean Baptiste Poquelin), (1622-'73): French playwright and actor. Tortuffe.

Molotov, Vyacheslav Mikhallovich (1890-1986): Russian revolutionary leader and Soviet statesman. Commissar for foreign affairs.

Monod, Jacques (1910-'76): French biochemist who, with Francis Jacob, proposed the existence of messenger RNA. Nobel Prize 1965 shared with Jacob and Andre Lwoff.

Monroe, Marllyn (1926-'62): (real name: Norma Jean Mortenson (later) Baker). American film star and charming sex symbol of her times. The Seven Year Itch, The Misfits.

Montessori, Maria (1870-1952): Italian educationist, who developed an educational system based on giving children freedom in a specially prepared environment.

Moon, Dr. Sun Myung (b.1920): Evangelist born in Korea, founder of the Unification Church, which he shifted to USA; has a multimillion dollar business empire.

Moore, Bobby (1941-'93): Soccer legend, he captained England to its World Cup triumph in 1966. Played 1000 league games.

Moraes, Frank (1907-'74): Eminent Indian journalist. Editor, Indian Express, Times of India. His son Dom Moraes (1938-2004), poet.

More, SIr Thomas (1478-1535): English statesman, author and martyr; Lord Chancellor. On his refusal to recognise Henry VIII as head of the church, he was executed. His Utopia describes an ideal state.

Morita, Aklo (1921-99): Electronic pioneer; Co-founder of Sony Corp.

Morris, Jan (b.1926): England-born Welsh travel writer and historian. 40 books and countless essays. Venice, Pax Britannica trilogy, Hav, Trieste and the Meaning of Nowhere.

Morse, Samuel (1791-1872): American

artist and inventor; invented telegraphy ar the dot-and-dash code that bears his nam

Mountbatten of Burma (Lou Mountbatten) (1900-79): British adn ral and statesman, great-grandson of Quer Victoria. In WW II, chief of combined oper tions in 1942. Last Viceroy of India and fit Governor-General of the dominion. Assas nated.

Mozart, Wolfgang Amadeus (175): Austrian composer. One of world's gre musical geniuses. Began his career at four ar toured Europe at six. Three of the greatest o eras in musical history are his Marriage of Figar Don Giovanni and The Magic Flute.

Mueller, Prof. Max (1823-1900): Ge man indologist and linguist. Taught Sanski at Oxford University, 1848. India - What Colt Teach Us, The Science of Language.

Mugabe, Robert Gabriel (b. 1924 First Prime Minister of independent Zimb bwe, 1980; now President.

Murdoch, Rupert (b. 1931): US pul lisher and entrepreneur born in Australia. H company, News Corp., owns Fox Broadcas ing Company and several British national p. pers, including *The Times* and *The Sun*. H also owns 20th Century Fox, HarperCollir (UK publishers), and the satellite broadcas ing company DirecTV.

Murthy, N.R. Narayana (b.1946): Cofounder, (1981), Chairman and Chief Mentor of India's IT leader Infosys Technologies. Small-town boy who rose to be a billionaire and a pioneer of 21st century Indian industry. Retired In 2006; now Chief Mentor and non-executive Chairman. Named world's 8th most admired CEO in 2006.

Mussolini, Benito (1883-1945): Fascist dictator of Italy, 1922-43. In 1940 he entered the war on the side of Hitler. Defeat in North Africa and the invasion of Sicily caused the collapse of his government. Killed by partisans.

Nabokov, Vladimir (1899-1977): Rus-

in-American novelist, poet and an authoron butterflies. *Lalita*.

Nader, Raiph (b.1934): American lawr and consumer protectionist. Candidate 2000 and 2004 Presidential elections.

Nagarjuna (1st century): Philosopher, ientist and a great figure of Court of Kanishka hom Hieun Tsang called "one of the four hts of the world". Madhyamike Sutra.

Nagy, Imre (1896-1958): Communist ime Minister of Hungary, assassinated afr the 1956. Uprising was crushed by Soviet nion.

Naidu, Sarojini (1879-1949): Indian

petess of English language, known as the lightingale of India'. Took part in freedom ruggle. First woman Governor of an Indian ate (U.P.). Golden Threshold, Bird af Time, oken Wing.

Naipaul, Vidiadhur Surajprasad (b. 932): British writer, born in Trinidad of Inan descent. Nobel prize, 2001. Miguel reet, A House for Mr. Biswos, A Bend in the ver, A Woy in the World.

Nair, Madath Thekkepat Vasudevan 1934): Well-known Malayalam novelist; yanpith award, 1995. Nalukettu.

Nair, Mira: (b. 1957): Indian film direcr. Saloam Bambay, Mississippi Masala, Manon Wedding (Golden Lion, Venice 2001).

Namboodiripad, Elamkulam Manacni Sankaran (1909-'98): Indian politician, riter, General Secretary of Communist Party India (Marxist) until 1992, Chief Minister, of Asia's first elected Communist governient) Kerala-1957-'59, *'*67-'69.

Nanak, Guru (1469-1538): Indian guru, ho tried to put an end to religious strife, aching that 'God is one, whether he be llah or Rama'. His followers are the Sikhs.

Nanda, Guizari Lai (1898-1998): andhian, India's acting Prime Minister twice nd veteran labour leader. One of the chief uthors of India's planned economy. Bharat atna, 1997.

Rasrai

Pandit Jasraj, the 75-year-old vocalist, who is also known as Rasraj, received 500 gold mohurs (coins) from King Tribhuvan Bir Bikram Singh of Nepal for a performance in 1952.

Naoroji, Dadabhai (1825-1917): Pioneer of Indian nationalism. First Indian to become member of British Parliament (1862). Congress President thrice. 'Grand Old Man of India'.

Napler, John (1550-1617): Scottish mathematician and clergyman. Invented logarithms and the modem notation of fractions.

Napoleon i (Bonaparte) (1769-1821): French emperor and general. Brilliant victories over Austrians and Russians. The Allies forced him to abdicate. In 1815, defeated at Waterloo and exiled to St. Helena.

Narain, Jayaprakash (1902-'79): Sarvodaya leader of India, known popularly as Loknayak. Social reformer with socialistic zeal; author. Instrumental in the formation of the Janata Party. Bharat Ratna.

Narayana Guru, Sri (1855-1928): One of the most illustrious social reformers and religious leaders, born in Kerala, India. Thinker and mystic who tried to improve the let # backward classes. Spread the message at equality of men, irrespective of religion in Narayana Dharma Paripalana Sangam in 1903

Narayan, Rashipuram Krishnassa (1906-2001): Indian writer = 3500 ت المنت المناطقة Guide, Swami and Friends, المنت المناطقة المناطق

Narayanan, Kocheril Raman to 2005): President, from 135 dent, 1992-'97. Joines after graduating from " nomics. Diplomat (

German philosopher and poet, known for his concept of the overman or superman. Thu _{ayant} V. (b. 1938): ^{In-} Research into 'black holes'. Nightingale, Florence (1820-1916 f. Fred Hoyle in Cambridge. Spake Zarathustra. English nurse and founder of modern n d, Kalinga Award (1996). ing. During the Crimean war, she organ amal Abdel (1918.'70): a nursing service. Known as 'The Lady sman and leader of the Arab ssed General Neguib (1954). Nivedita, Sister (1867-1911) woman (Margaret Elizabeth Nobel) who be-956. Nationalised the Suez Cathe Lamp'. came disciple of Swami Vivekananda and was One of the founders of NAM. llova, Martina (b. 1956): One time greats in tennis. U.S. citizen Nixon, Richard Milhous (1913-94): zechoslovakia. Wimbledon 9 times, Republican President of the U.S., 1969-74. A in India for 12 years. en 4 times, 167 singles and 162 process of reconcilation with China begun. The Watergate conspiracy led to his resigna. hru, Pandit Jawaharlai (1889. n: First Prime Minister (1947-1964) and Nkrumah, Kwame (1909-72): First litect of modern India. Close associate premier of Chana, 1957 and first President Mahatma Gandhi, Ardent democrat, intion, 1974. of republic, 1960. Overthrown in 1966. mationalist, advocate of scientific method Nobel, Alfred Bernhard (1833-96 nd modern technology. One of the Swedish inventor and philanthropist. Disco ounders of NAM. Daughter Indira Gandhi ered dynamite. Bequeathed a fund for and grandson Rajiv Gandhi became PMs. nual prizes now known as Nobel Prizes. Bharat Ratna. Glimpses of World History, Dis-Nostradamus or Michel De N-Dame (1503-66): French astrologer and Nehwal, Sanla (b.1990): The first Indian woman to become Badminton Grand Prix physician, known for his prophecies. Nyerere, Julius (1922, '99): Former Tancovery of India. zanian President and popular African leader. Nelson, Horatio (1758-1805): Foremost admiral in the history of England. De-Oberol, Mohan Singh (1900-2002) Chairman, South Commission. champion. stroyed the French fleet at Trafalgar (1805), India's famous hotelier. From humble begin ning rose to own international chain of h Nero, Claudius Caesar (A.D. 37-68): Roman emperor. Weak and licentious; perbut lost his life. ogilvy, David (1912-'99): Doyeno secuted Christians. The fire of Rome during Newman, John Henry Cardinal (1801his reign. Committed suicide. 190): Outstanding religious thinker and es-

sayist of 19th century; author of Lead Kindly

of gravitation. Principla Mathematica

ist (V.C., Jawaharial

Minister (Planning,

and Technology).

_{narya} (1889-1956):

leader and education-

ongress Socialist Party Lucknow university and

Light.

Manorama Yearbook 2007

Newton, Sir Isaac (1642-1727): English scientist, known for his work an the composition of white light, calculus and the theory

Nicholas II (1868-1918): Last emperor

and Tsar of Russia. When revolution broke

out in 1917 he and his family were shot dead.

Nletzsche, Friedrich (1844-1900):

rertising world, founder of the internanal ad agency, Ogilvy & Mather.

Djukwu, Odumegwu (b. 1933): Head the secessionist state of Biafra (1967-70), ich was part of Nigeria. After the conflict, fled the country but returned later.

Diajuwon, Hakeem (b. 1963): US basball player, born in Nigeria. Held the ord for blocked shots. Nickname: 'The eam'.

Olivier, Laurence (1907-'89): British acand director, especially in Shakesperean es.

Omar Khayyam (c. 1050-1123): Pern poet and astronomer. His Rùbaiyat, transed into English by Edward Fitzgerald.

Onassis, Aristotie (1906-'75): Greek lionaire and shipping magnate. Married queline, widow of former US president nnedy.

Oort, Jan (1900-'92): Dutch astronoer. Proposed the existence of the Oort oud, a vast collection of ice chunks far bend Pluto.

Orweil, George (Eric Arthur Biair) 903-50): English satirist, born in India. imal Farm.

Osborne, Adam (1939-2003): Comiter technologist. He produced the first porble computer.

Otto I (The Great) (912-973): King of ermany and Holy Roman Emperor.

Owens, John Cieveland ('Jesse') (b. 913): American athlete. First man to win 4 ack and field gold medals (100 m, 200 m, ng jump, 4x100 m relay) in single Olymcs (1936).

Packer, Kerry (1937-2005): Australian edia mogul believed to be the richest sern in Australia.

Paes, Leander (b. 1974): Indian wirer of Wimbledon junior men's ಬ್ಯಾಡ್ ಬ್ಯಾ avis Cup Captain, 1990. In '95, wor a ronze medal at Atlanta Olympics. ವಿಚಾರಣಕ rand Slam doubles title winner, Detter

Working Hours

The average worker in most rich countries spends much less time at work now than in the early 1990s. In Japan, the number of hours has dropped by 6.5 p.c.. since 1994.

known for his exploits in the doubles with Mahesh Bhupathi including Wimbledon '99,

Pai, Bachendri (b. 1956): The first indian woman and the fifth woman in the world to scale Mount Everest (1984).

Palkhivaia, Nani (1920-2002): Eminent Indian jurist. Ambassador to USA, 1977-79. Padma Vibhushan, 1998.

Pandit, Vijayalakshmi (1900-'90): Sister of Jawaharlal Nehru; First woman in India to become Minister (U.P., 1937); India's High Commissioner to UK (1956-'62); Ambassador to the U.S. and USSR. First woman President of UN General Assembly (1954), Covernor, Maharashtra (1962-'64).

Panikkar, Sardar K. M. (1894-1963): Scholar, historian, diplomat. Minister in Fatzala, Bikaner. Ambassador to China, Egypt and France, Member, States Reorganization Commission. V-C, Kashmir & Myscre Unserver

Pant, Gobind Ballabh (1227-1967-Freedom fighter; Chief Minister, 🚅 🚐 Home Minister in Nehru casine ニーニ Ratna.

Parker, Dorothy (1852:55 can witer, known for her calling its and Death and Tover are the first are short story collections

Parks, Rosa (353 nonts activist. Wast her seat charing ششالددين بالكافكاني era ard deel

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The same of the same preached positive thinking for more than half pearson, Lester Bowles (1897-1972) Canadian statesman, PM (1963-68). Not (1922-'75): Itala century. elist and critic. pele (Edson Arantes Do Nascimen 90-1960): Russian Peace Prize, 1957. (b. 1940): Brazilian soccer player. A w awarded Nobel Prize star at 17. Played in all four World Cup d Dr. Zhivago. pionship tournaments from 1958 to 1822-'95): French The first player ever to play on three wonu icrobiology. His inveschampionship teams. Scored 1281 goals in ience of immunology. prasad Gordhanbhal Peron, Juan Domingo (1895-1974): in economist. Principal of President and dictator of Argentina. Deposed 1363 games. age 25. Served in IMF; by army (1955), went into exile, returned rector, London School of (1973), re-elected president. Third wife Maria ar Vallabhbhal (1875-Isabel succeeded him as President. Phule, Mahatma Jotirao Govindrao on-Man of India". Leading (1827-'90): Social reformer of India who ir. Worked closely with Maworked for the downtrodden, women's edu-. Key role in the integration of cation, social justice and against child mary states with the Union. Deputy riage. Wife Sovitribai (1831-97) was harbin-_{er} in Nehru govemment. 8harat

Gopal Swarup (1886-1982): _{ent of India}, 1969-1974. , Medha (b. 1956): Indian social nvironmentalist; firebrand leader of rmada movement. Right Livelihood

I, Lord Swraj (b. 1931): ^{Britain-} I Indian industrialist. Member, e of Lords; VC of Wolverhampton Uniauling, Linus Car (1901-'94): Ameriscientist who won Nobel Prize for Chemry (1954) and for Peace (1962). Known for

Pavarotti, Luciano (b. 1935): Italian pposition to nuclear tests. inger, considered the greatest tenor of his times. Retired from staged opera in 2004.

Pavlov, Ivan Petrovich (1849.1936): Russian physiologist. Nobel Prize, 1904. Paz, Octavio (1914-'98): Mexican

poet, Nobel Prize, 1990. Ambassador to India,1962-68. Labyrinth of Solitude, Sun Stone.

Peale, Rev. Norman Vincent (1898-1993): American religious leader, who

ger of women's liberation, pioneer in

Picasso, Pablo Ruiz (1881-1973): women's education. Spanish painter, sculptor and ceramicist. De scribed as the century's most prolific and ve

satile artist. One of the originators of Cu pickering, William (1909-2004): ism. Guernica.

American space programmer who guided Pilial, Thakazhi, Sivasankara (1915-NASA's moon missions.

199): Indian writer (Malayalam) Gyanpith Pinter, Harold (b.1930): British drama award. Chemmeen, Kayar.

tist, actor and director. Plays known for their elusive dialogue and atmosphere of menace. The Coretaker, The Homecoming, Moonlight

Pitman, Sir Isaac (1813. 97): English ing. Nobel Prize, 2005. inventor of a system of phonographic short

Pitroda, Satyanarayan Gangaram (1942): Technocrat, Popularly known as Sau. hand.

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Pitroda. The man behind India's telecom revolution in 1980s. Chairman of World Tel (an agency for ITU). Chairman of National Knowledge Commission.

Pitt, William (1759-1806): ('the Younger Pitt') English statesman; the youngest Prime Minister (at 24), 1783.

Plato (427-347 B.C.): Greek philosopher and educator; pupil of Socrates, teacher of Aristotle. Dialogues, which includes the Republic, the longest and most celebrated work.

Podolski, Lukas (b.1985): German (born in Poland) striker named Best Young Player at World Cup 2006 by FIFA.

Poe, Edgar Allan (1809-'49): American poet and story writer. The Raven, To Helen.

Poitier, Sidney (b. 1924): US film actor. First black actor to win Oscar for best actor. Lilies of the Field, Good-bye Mr.Chips..

Pol Pot (1928-'98): Notorious leader of the dreaded Khmer Rouge (Cambodia) accused of genocide and held responsible for massacre of 1.5 to 2 m. people during his regime of 1975-'79. Also known as Saloth Sar.

Poliock, Paul Jackson (1912-56): American painter famous for his 'drip painting' technique.

Polo, Marco (c. 1256-1323): The most famous European traveller in the Far East, China,India.

Pompidou, Georges (1911-'74): French PM and President, after de Gaulle ('69).

Pope, Alexander (1688-1744): English poet, The Rape of the Lock, The Dunciad.

Post, Emily (1873-1960): Writer and arbiter of American manners. Emily Post's Etiquette.

Poweli, Colin L (b,1937): Former US Secretary of State. General who served for three decades in the army. My American Journey.

Prasad, Dr. Rajendra (1884-1963): Statesman and Gandhian. First President of the Republic of India, 1950-'62. Bharat Ratna.

Premchand, Munshi (1880-1936): Hindi writer whose real name was Dhanpat Rai. A pioneer of modern social fiction.

The Discovery of Timbuktu

Rene Caillie was the first European to visit the town of Timbuktu in Mali and return alive. He travelled disguised as an Arab traveller (1828). Timbuktu, on the southern fringe of the Sahara, has been, for centuries, the cross-roads for caravan trails.

Godan, Sevasadan, Rangamanch, Ghaban, Nirmala.

Premli, Azim Hasham(b. 1945): Chairman, Wipro, an IT giant. Richest Indian in the world for several years, third richest person in the world, 2000, Sixth among 10 richest Tech Titans, in Forbes list, 2006.

Presiey, Eivis (1935-'77): US popular singer, whose fusion of Black rhythm and blues and white country styles created modern pop music. He is the most successful recording artist in history with hits like Hound Dog, Don't be cruel, and Suspicious Minds. He also acted in numerous films.

Priestley, John Boynton (1894-1984): English novelist, essayist, critic and playwright. The Good Companions, Angel Pavement.

Pritam, Amrita (1919-2005): Indian poetess and novelist. Gyanpith award. Kagaz ke Kanwaz.

Proust, Marcel (1871-1922): French novelist whose masterpiece was the 12-volume Remembrance of Things Past.

Pushkin, Alexander (1799-1837): Russian poet. Eugene Onegin, The Captive of the Caucasus.

Pythagoras (c. 582-500 B.C.): Greek philosopher and mathematician. He saw 🖰 numbers the key to the understanding universe.

Quasimodo, Salvatore (1901-'64

ian poet associated with hermeticism. Nobel Prize.

Quisling, Vidkun (1887-1945): Norwegian politician who helped the enemy during German invasion of Norway. Seized as a traitor and shot. The word 'quisling' means 'traitor'.

Radhakrishnan, Dr. Sarvepalli (1888-1975): Indian scholar, philosopher, writer and statesman, First Vice-President (1952-'62) and second President (1962-7) of India. Formerly a professor at Oxford, and Chairman of UNESCO, Bharat Ratna; Templeton award. The Hindu View of Life, Indian Philosophy.

Rafi, Mohammed (1926-'80): India's top playback singer, More than 20,000 songs.

Rahman, A.R. (b. 1967): India's leading film music director, Roja, Bambay, His album 'Vandemataram', a best-seller.

Rahman, Sheikh Mujibur (1920-'75): Father of the new nation of Bangladesh, and its first President and Prime Minister, Killed in a coup on Aug. 15, 1975. His daughter Sheikh Hasina became PM in 1996.

Rahman, Zlaur (1937-1981): Former President of Bangladesh; rose to power in 1975, through a coup; assassinated. His wife. Begum Khaleda Zia, later became PM.

Ral, Alswarya (b. 1974): Indian beauty queen who was crowned Miss World at Sun City, Johannesburg in 1994. A brilliant Hollywood star, the first Indian actress to be on Cannes jury.

Ral, Lala Lajpat (1865-1928): Indian patriot and prominent freedom fighter, known as the 'Lion of the Punjab' (Punjab Kesri).

Raj, Dr. Kakkadan Nandanth (b. 1924): Indian economist and Professor, V C of Delhi University, Director of Delhi School of Economics. Co-founder, Centre for Development Studies, Thiruvananthapuram.

Rajagopalachari, Chakravarti (1878. 1972): The first and last Indian Governor-General of India (1948-'50). Rajaji. CM, Madras; Union Minister, Home Minister in Nehru's cabinet, and Governor, West Ben gal, Founded Swatantra Party, Bharat Ratna 1954.

Rajneesh (Chandra Mohan Jain (1931-'90): Charismatic godman of India also known as Osho. Set up ashram at Pune and 'Raineeshpuram' on 64,000 acres in Or egon, USA, Turned controversial.

Raieigh, Sir Walter (1552-1618): ad venturer and writer. In 1584 began the colonisation of Virginia. He was executed.

Ramachandran, Marathur Gopali (1917-'87): Film star-turned politician o India, Chief Minister of Tamil Nadu. Bhara Ratna, 1988,

Ramakrishna Paramhansa, Srl (1836 '86): Religious leader of India who taught that God-realisation is the only goal of life. Chief disciple was Swami Vivekananda. Ramakrishna Mission after his name.

Raman, Dr. Chandrasekhara Venkata (1888-1970): Indian physicist whose research on the diffusion of light (discovery of "Raman effect") a phenomenon of scattered light rays earned him Nobel Prize, 1930. Founded Indian Institute of Science, Bangalore. Lenin Peace Prize, Bharat Ratna.

Ramanujan, Srinivasa (1887-1920): One of the greatest mathematicians India has ever produced.

Ramanna, Dr. Raja (1926-2004): Indian nuclear physicist; He was Director, Bhabha Atomic Research Centre, Secretary, Atomic Energy Dept., Chairman, Atomic Energy Commission (1984) and Union Minister.

Ramanuja, Acharya (11th.c.): Vaishnavite guru of India, Founder of Rama Bhakti movement.

Venkata Rao. **Pamulaparti** Narasimha (1921-2004): Prime Minister of India, 1991-'96. Formerly, Chief Minister (Andhra Pradesh) 1971-73. Union Minister (External Affairs, Defence, Human Resources) 1980 onwards.

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J. Dr. Kakkadan Nandanth (b.): Indian economist and Professor, V C Ihi University, Director of Delhi School pnomics. Co-founder, Centre for Develot Studies, Thiruvananthapuram.

jagopalacharl, Chakravartl (1878-): The first and last Indian Governorral of India (1948-'50). Rajaji. CM, Madras; Union Minister, Home Minister in Nehru's cabinet, and Governor, West Bengal. Founded Swatantra Party. Bharat Ratna, 1954.

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Rao, Pamulaparti Venkata Narasimha (1921-2004): Prime Minister of India, 1991-'96. Formerly, Chief Minister (Andhra Pradesh) 1971-'73. Union Ministe-(External Affairs, Defence, Human Resource 1980 onwards.

Rao, Raja (1908-2006): Novelist, famous for his contributions to Indian English literature. Kanthapura, Serpent and The Rape. Padma Bhushan.

Raphael, Saint (1438-1520): Italian painter and architect. Associated with the rebuilding of St. Peter's.

Rasputin, Grigori (1871-1916): Russian courtier and religious figure. At the court of Nicholas II, he exerted influence over the Tsarina. Murdered by a group of nobles.

Ray, Satyajit (1921-'92)! The greatest Indian film director. Won special Oscar award and Bharat Ratna in 1992. His films are notable for their realistic portrayal of everyday life. Pather Panchali, Aparajita, Charulata.

Reagan, Ronald (1911-2004): U.S. President, 1981-'8B; former T.V. and film star, 1937-'66. Governor of California, 1967-'74.

Reddy, Neclam Sanilva (1913-'96): President of India, 1977-1982, before which he was Chief Minister (A.P.), Union Minister, and Speaker, Lok Sabha. Freedom fighter.

Reeve, Christopher (1942-2004): Actor best known for the' Superman' movies. A horseback riding accident in 1995 left him paralysed. Still Me.

Rembrandt, Harmenszoon (1606-'69): Dutch painter and etcher, one of the undisputed giants of Western art.

Reuter, Paul Julius (1816-'99): German pioneer of telegraphic press service, who organised Reuter's international news agency.

Rhee, Syngman (1875-1965): Ardent Korean nationalist and first President of S. Korea. Rule noted for repression and corruption.

Rhodes, Cecil John (1853-1902): British statesman and empire builder. At 35, one of world's richest men. Prime Minister, Cape Colony. Developed Rhodesia, which was named after him. Scholarships in his name.

Ricardo, David (1772-1823): English

A Drug Addict's Confession

DBC Pierre - British writer Peter Finlay's pseudonym - won the 2003 Booker Prize for his debut novel Vemon God Little. He had admitted to being a reformed drug addict and gambler.

political economist. Principles of Political Economy and Taxation.

Richard, Cliff (b. 1940): British pop star, bom in India as Harry Rodger Webb. Living Dall (1959), Cangratulations (1969), 115 songs.

Richter, Dr. Charles F. (1900-'85): American inventor of Richter scale, which gauges the energy released by an earthquake as measured by ground motion recorded on a seismograph.

Rimbaud, Jean Nicolas (1854-'91): French poet. Prepared the way for symbolism. At 18 completed his memoirs. Une Saison en Enfer.

Roberts, Julia (b.1970): Academy award-winning American actress. Oscar for Best Actress for playing the title role in the movie Erin Brockavich.

Robeson, Paul (1898-1976): Black American singer and actor especially remembered for his singing of Negro spirituals.

Robespierre, Maximilien (1758-'94): French revolutionary; controversial, guillotined.

Robinson, Sir Edward Austin Gossage (1903-'93): Economist, Professor Emeritus at University of Cambridge, and abiding friend of India. Wife Joan Robinson, economist.

Rockefeller, John Davidson (1839-1937): American philanthropist and founder of the Rockefeller business empire; Founded Rockefeller University and Foundation.

GENERAL KNOWLEDGE

oentgen, Wilhelm Konrad von 45-1923): German scientist who discov-I X-rays (1895). Nobel prize, 1901.

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.olland, Romain (1866-1944): French elist and dramatist. Jean-Christophe, a volume novel. Wrote biographies of Mana Gandhi and Vivekananda.

tonaldo (Ronaldo Luiz Nazario D a) (b.1977): Brazilian footballer, considi the next Pele. Top scorer in 2002 World b.

tooney, Mickey (b.1920): US film acwho often teamed with Judy Garland. A Isummer Night's Dream, The Human com-

Roosevelt, Franklin Delano (1882-45): American statesman. U. S. President 1933 till his death. The only man ever cted to four terms. Wife Eleanor was a blic figure and a political personality.

Roosevelt, Theodore (1858-1919): nerican President. Popular because of his ploits in the Spanish-American war. Nobel ze.

Ross, Ronald (1857-1932): British phyian and bacteriologist who discovered malaria parasite. Born in India. Nobel ze, 1902.

Rousseau, Henri (1844-1910): French mitive painter. A collector of tolls (Hence o known as Le Douanier, meaning 'the cusns official') who retired at 41 to take up nting.

Rousseau, Jean-Jacques (1712-'78): nch political philosopher whose views much to stimulate the movement lead-to the French Revolution. Emile, Le Contratial.

Row, Yellam Pragada Subba (1896-48): Indian scientist (in US, 1920-1940's) o, along with Fiske, discovered creatine osphate (1926), worked on the isolation of synthesis of folic acid.

Rowling, J.K (b.1965): British author of internationally famous series of children's fantasy stories concerning the exploits of the boy wizard Harry Potter.

Roy, Arundhati (b. 1960): The first Indian author to win Booker Prize (*The God of Smoll Things*), Environmentalist. Winner of Sydney Peace Prize, 2004.

Roy, Bidhan Chandra Dr. (1882-1962): Chief Minister of West Bengal (India), 1948-62; prominent physician. Bharat Ratna, 1961.

Roy, Manabendra Nath (1887-1954): Real name, Narendranath Bhattacharya. Communist. Organised the Radical Democratic Party and Indian Federation of Labour and founded Mexican Communist Party.

Roy, Prafulia Chandra (1861-1944): Great scientist and father of modern Indian chemical industry. The History of Hindu Chemistry.

Roy, Prannoy (b. 1946): India's leading psephologist and TV commentator. President of NDTV.

Roy, Raja Rammohan (1774-1833): Indian social reformer and scholar. Worked for the abolition of 'sati', child marriage and 'Purdah'. Founder of Brahmo Samaj.

Rubinstein, Arthur (1887-1982): US pianist, bom in Poland. Began public performance at age 11.

Rublyov, Andrey (1370-1430): Russian artist, iconographer who retired to monastic life. Also known as Rublev.

Rushdie, Salman (b. 1946): Indian bom British writer. His controversial book Satanic Verses made Iran's spiritual leader Ayatollah Khomeini sentence him to death. Booker Prize. Midnight's Children, The Moor's Last Sigh.

Ruskin, John (1819-1900): English author, social reformer and art critic. Modern Pointers (5 volumes), Unto This Last.

Russell, Bertrand (1872-1970): English philosopher, mathematician and essayist. The Principles of Mathematics, The Scientific Outlook, The Conquest of Hoppiness, The

Autobiogrpohy, History of Western Philosophy. Nobel Prize.

Ruth, Babe (1895-1948): US baseball player whose real name was George Herman. Known by the nickname 'Sultan of Swat'. In 1927, he hit 60 home runs in a single season. Career slugging percentage: 690.

Ryunosuke, Akutagawa (1892–1927): Japanese writer, dealt with madness and macabre social contradictions. Committed suicide. Akutagawa Prize is Japan's top literary award.

Sadat, Anwar EI (1919-'81): Egyptian soldier and politician. President, 1970-'81. Known for Camp David peace treaty. Assassinated. Nobel Peace Prize.

Saha, Arati (1933-'94): Indian swimmer, the first woman from Asia to cross the English Channel.

Saha, Meghnad (1893-1956): Indian scientist who first attempted to develop a consistent theory of spectral sequence of the stars from the point of view of atomic theory.

Sakharov, **Andrel** (1921-'89): Soviet nuclear physicist, human rights activist. Nobel prize.

Sakl, (pseudonym of Hector Huge Munro) (1870-1916): British satirist and humorist. *The Unbeoroble Bossington, Reginold*.

Salk, Jonas (1915-'95): US microbiologist who developed the first successful vaccine against polio.

Sampras, Pete (b. 1971): American tennis star. Six Wimbledon men's singles titles. First player since Boris Becker in 1989 to win Wimbledon and the US Open in the same year (1993). Retired, 2003,

Sankaracharya (788-820): (Adi Sankara) Scholar and philosopher from India, who revived the Hindu religion; founder of Advaitic philosophy; established 'mutts' all over India.

Sanyal, B.C. (1901-2003): Eminent Indian painter, President of Lalit Kala Akademy

A Reign of Expansion

Who said 'I have no way to defend my borders but to extend them'? Catherine the Great, the Empress of Russia who gained the throne in a coup in which her unpopular husband Emperor Peter III was murdered.

Padma Bhushan.

Sappho (c. 612-c.580 B.C.): The greatest female lyric poet of ancient Greece.

Sarabhal, Dr. Vikram (1919-'71): Indian nuclear scientist who was Chairman of the Atomic Energy Commission. Helped set up the Thumba rocket station.

Saramango, Jose (b. 1924): Portuguese novelist. *Baltozor and Blimundo*. Nobel Prize, 1998.

Saraswatl, Dayanand (1824-'83): Hindu social reformer. Founded Arya Samaj school and fought for removal of social evils.

Sartre, Jean-Paul (1905-'80): French dra-matist, essayist, novelist and leader of the philosophical movement, existentialism. Being ond Nothingness, The Roads to Freedom, The Flies. Nobel Prize (1964) but he declined it.

Sastry, V.S. Sriniwasa (1869-1946): Associated with Servants of India Society; promoted education and worked for women's legal status

Savitskaya, Svetlana (b. 1949): Societ cosmonaut; the first woman to walk in space; the only woman to have made two space flights.

Schumacher, Michael (b. 1967): Comman Formula One driver. Most successful driver ever with the most career victors. The first to win French Grand Prix electrons.

Schwarzenegger, Arnel
Austrian-born Hollywood

Recall. Took to Republican politics and was

A PENETUT WALLE TERMS

cted to the governorship of California.

Schweltzer, Albert (1875-1965): Ger-

in medical missionary, humanitanan, muian and philosopher. Founded at mbarene in Africa a hospital to fight lepny and sleeping sickness and worked there over 50 years. Nobel Peace Prize, 1952. Scott, Sir Walter (1771-1832): Scot-

h novelist and poet. Ivanhoe, Kenihvorth. Sehwag, Virender (b. 1979): Cricketer. e first Indian to hit a triple century in Tests.

s 309 at Multan is India's highest Individual ore.

Seles, Monica (b. 1973): of Yugoslavia.

17, the youngest world champion of omen's tennis. Twenty titles before the age
18. Stabbed mid-match in Hamburg in 193, stayed away from tennis for two years.

Sen, Amartya Kumar (b. 1933): Indian conomist, the Lamont Professor of Philosopy and Economics at Harvard University, laster of Trinity College, Cambridge. Nobel

Sen, Mihir (1930-'97): First Indian to the English Channel. World record in ng distance swimming.

ize (1998), Bharat Ratna.

Sen, Mrinal (b. 1923): Famous Indian m director. Bhuvan Shome, Khariz.

Senna, Ayrton (1960-'94): Race driver Brazil, one of only 7 drivers to win the world lampionship three times. Killed in a crash uring the San Marino Grand prix.

Seshan, Tirunellay Narayana lyer (b.

132): India's Chief Election Commissioner 190-'96. Defence Secretary (1998) and Ibinet Secretary (1989). Magsaysay award. Sethl, Dr. P.K (b. 1927): Noted Indian Ihopaedic surgeon and inventor of the ipur Foot'. Magsaysay Award, 1981.

Sethl, Geet (b. 1962): This unseeded ayer from India became the king of the orld billiards championship in 1985. The ungest ever to wear the crown in his siden appearance.

Shackleton, Ernest Henry (1874-1922): Antarctic explorer from Ireland. His expedition was within 155 km of the South Pole in 1909.

Shaftesburg, Anthony (1621-83): English statesman. Worked with Oliver Cromwell. Supported restoration of Charles II. Founded the Whig Party in 1673. Exiled, 1682.

Shakespeare, William (1564-1616): Greatest dramatist and poet of England. Unbeatable in mastery of language, understanding of character and dramatic perception.37 plays, 154 sonnets, two poems. Romeo and Juliet, Julius Coesar, Hamlet, Othello, Macbeth, The Tempest.

Shankar (1902-'89) (Sankara Pillal): Indian cartoonist. Known for 'Shankar's Weekly', the International Children's Art Competition and the International Dolls Museum, all founded by him.

Shankar, Ravl (b. 1920): Internationally known Indian sitar maestro. Bharat Ratna. My Music, My Life.

Sharapova, Maria (b. 1987): Russian golden girl of tennis who won Wimbledon 2004.

Sharma, Dr. Shankar Dayal (1919-1999): President of India, 1992-97. Scholar, freedom fighter. Was Chief Minister of M.P., Congress President, Union Cabinet Minister, Governor and Vice-President.

Sharma, Rakesh (b. 1954): The first Indian cosmonaut to go into space, aboard Soyuz-T 11 for a rendezvous with Salyut-7 (1984).

Shastri, Lal Bahadur (1904-'66): Indian politician who succeeded Nehru as India's second Prime Minister (June 1964-Jan. 1966). Earlier, Cabinet Minister. A simple and selfless Gandhian. Died at Tashkent. Bharat Ratna.

Shaw, George Bernard (1856-1950): Irish dramatist and the greatest critic of his age. Conquered England by his wit. Nobel Prize. Man and Superman, Saint Joan, Pygmakon.

ekhawat, Bhairon Singh (b.1923): resident of India since August 19, 2002. er CM, Rajasthan. Senior BJP leader.

elley, Percy Bysshe (1792-1822): in Romantic poet, renowned for his darews; a passionate advocate of freedom. theus Unbound, Ode to the West Wind, cylork.

va, Vandana (b. 1952): Economist, nmentalist and physicist. Leads cams on biopiracy and biosafety, had a vier in preventing foreign companies getatent for Neem and basmati. Right Livelaward, 1993.

vaji (1627-1680): The great Maratha r who fought Mughal emperor gzeb and established a Hindu state in eccan. Crowned king in 1674. Great al and wise ruler.

olokhov, Mikhall (1905-'84): The ost Russian realistic novelist. And Quiet the Don. Nobel prize, 1965.

ourle, Arun (b. 1943): Outstanding journalist. Former Union Cabinet Min-Magsaysay award.

ramalan, Manoj Night (b. 1970): med Indian-born Hollywood film direcne Sixth Sense, Unbreokoble.

hatra, Frank (1915-'98): (Francis) American singer, film actor. Singing bobbysoxers in 1940s. Made over 100 is and 58 feature films. Oscar (From Here emity) and Grammy lifetime achieve-awards.

gh, Bhagat (1907-'31): Indian pand revolutionary, hanged by British governt for participation in the Lahore cony.

gh, Charan (1902-'87): Prime Minof India July 1979-Jan. 1980. Deputy Minister during Janata regime.

igh, Khushwant (b. 1915): Journali writer, was editor of Illustroted Weekly, nol Herold, Hinduston Times, etc. Memarliament. History of the Sikhs, Troin to

Dracula's Castle in Romania

'Dracula', a novel by Bram Stoker about a bloodsucking vampire, has become modern myth - the subject of many film versions. Tourists to Romania, a country Stoker himself never visited, are now shown 'Dracula's Castle'.

Pakistan, End of Indio.

Singh, Dr. Manmohan (b.1932): Indian statesman and economist. Prime Minister since May 22, 2004. The bureaucratturned-politician was formerly Finance Secretary, RBI Governor and UGC Chairman. As Finance Minister, 1991-96, Introduced the pro-reform and liberalisation programme.

Singh, Paramjit (b. 1973): Indian sprinter who broke Milka Singh's 38-year old national 400 m. record in 1998.

Singh, Viswanath Pratap (b. 1931): Prime Minister of India, Dec. 1989 Nov. 1990. Crusader for social justice. Earlier, Union Minister. Janata Dal leader, and a painter.

Singh, Zall (1916-'94): President of India, 1982-87. A veteran freedom fighter; was minister (State and Central) and Chief Minister (Punjab).

Smith, **Adam** (1723-'90): Scottish economist, known as the 'Father of Economics'. Weolth of Nations.

Snow, Charles Percy (1905-'80): British writer and scientist, author of the essay The Two Cultures and the Scientific Revolution.

Sobers, Gary (b. 1936): West Indian cricketer, an excellent all-rounder.

Socrates (470-399 B.C.): Greek philosopher, Plato's master. Charged with implety and with corrupting the young, four '''', died by drinking hemlock.

Solon (c. 638-558 B.C.): Al:

giver; one of the Seven Wise Men of Greece.

Solzhenitsyn, Alexander (b. 1918): Russian novelist, expelled from Soviet Union in 1974, returned home, in '94. Nobel Prize, 1970. Concer Word, The First Circle.

Sonn, Percy (b.1950): South African lawyer who replaced Ehsan mani as President of ICC in Jul, 2006.

Sophocies (495-406 B.C.): Athenían dramatic poet, ranking with *Aeschylus* and *Euripides. Oedipus Tyronnus, Electro.*

Sorcar, Pratul Chandra (1913-71): Famous magician India has ever seen. He was popular all over the world in 1950 & 60s. Sons magician PC Sorcar Jr and director Manick Sorcar.

Soyinka, Wole (b. 1934): Nigerian dramatist. First black African to get Nobel Prize for literature (1986). The Intrepreters, Deoth ond the King's Horseman.

Spassky, Borls Vasilyevich (b.1937): World chess champion (1969-'72), from Russia

Spears, Britney (b.1981): Hugely successful American pop singer. Her albums... Baby One More Time (1999) and Oops!... 1 Did It Again (2000) were huge hits. Sold 60 m. albums.

Spender, Stephen (1909-'95): English poet, critic, essayist.

Spenser, Edmund (1552-'99): English poet, ranking with Shakespeare and Milton. He is called 'the poet's poet'. The Foerie Queene.

Spielberg, Steven (b. 1947): One of world's most successful film directors. Jaws (1975); E.T.— the Extro Terrestriol (1983), Jurossic Pork (1993), Minority Report (2002)—the last has broken all box-office records. Schindler's List won him Oscar for best director (1994) and 6 other awards.

Spock, Benjamin (1903-'98): Author of The Common Sense Book of Baby and Child Care (1945) which influenced parents worldwide. Srinivas, Uppalapu (b. 1970): Mandolin player of India who began playing it at the age of six. The youngest to receive the title "Asthana Vidwan" ('90).

Stalin, Joseph (1879-1953): Soviet statesman who for nearly 30 years was leader of the Russian people. General Secretary of CEC of USSR, 1924-41. He modernised agriculture on socialist lines by ruthless means and introduced the famous Five Year Plans in 1929.

Stallone, Sylvester (b. 1946): One of Hollywood's highest-paid actors. *Rocky, Cliffhonger.*

Stephenson, George (1781-1848): English engineer; inventor of locomotive engine.

Stevenson, Robert Louis (1850-'94): Scottish author. Treosure Island, Kidnapped, Dr. Jekyll and Mr. Hyde.

Stradivari, Antonia (1644-1739): Most well-known Italian maker of musical instruments. Developed the 'long Strad' style of violins. Some of his violins still survive.

Streep, Meryl (b. 1949): A first-rank American film actress. Oscar and Bette Davis Life Achievement award. Kromer Vs Kromer, Sophie's Choice.

Strohelm, Erlch von (1885–1957): Austrian director, writer and actor. Greed.

Subbulakshml, Madural Shanmugavadivu (1916-2004): Famous Camatic singer of India. Magsaysay award, 1974. Gave a special recital of devotional songs for the silver jubilee celebrations of UN in 1970. Bharat Ratna, 1998-first musician to receive the honour.

Subramanlam, C (1910-2000): Freedom fighter, known for his contribution to India's Green Revolution. Held posts of Union Minister, interim President of INA and Governor of Maharashtra (1990). Bharat Ratna, 1998.

Subramaniam, Ka Na (1912-'88): Renowned Tamil poet and critic. Oru Nal, Poi Theru. Sudarsan, Prof. Ennackal Chandy brge (b. 1931): Indian physicist famous his particle theory on 'tacheons', faster in light. Advanced the theory of V-A (left ded) current, one of the four fundamentorces of nature. Worked in Rochester, now exas.

ullivan, Louis (1856-1924): American itect; pioneered steel-frame construction; red dictum 'Form Follows Function'.

iun Yat-Sen (1867-1925): Chinese naalist leader and statesman. He played a ling role in the revolutionary movement overthrew monarchy in China in 1911. President of the Republic of China.

urrey, Henry Howard, Earl of (1517: English poet. Wrote sonnets and introed blank verse into English poetry. Aced of treason, he was executed.

uu Kyi, Aung San (b.1945): Inmar's champion of democracy, oppon leader detained by the military junta. has spent over 10 of the past 17 years er house arrest. A UN envoy was allowed isit her in May,06. Nobel Prize.

Swami, Chattambi (1853-1924): vidyadhiraja Kunjan Pillai, later alabhatarakeswaran). Indian visionary and al reformer. Held close association with Narayana Guru.

waminathan, Mankombu Sambain (b. 1925): Internationally known agltural scientist of India. Was member, Plang Commission; Director General of IRRI, nila. Heads M.S. Swaminathan Research ndation. Presently Chairman, Commission Farmers. Padmashri, Padma-bhushan, mavibhushan, Magsaysay Award, World d Prize.

wedenborg, Emanuel (1688-1772): dish scientist, mystic, philosopher and ologian. *Heavenly Arcan*o.

wift, Jonathan (1667-1745): English rist, Gulliver's Travels.

'agore, Rabindranath (1861-1941): ian poet and philosopher who intro-

The 'Richest' is a Woman

Zhang Yin of China, a female paper recycling entrepreneur worth an estimated \$3.4 billion, is now No.1 in the list of the country's nichest people, marking the first time a woman has been ranked as the wealthiest person.

duced Indian culture to the West and vice versa. Founded Shantiniketan which later became Viswabharati University. Wrote national anthems of both India and Bangladesh. Sonar Tori, Chaitali, Kalpono, Chitrangada, Gitonjali. Nobel Prize 1913-first Asian to get it.

Tameriane (Timur the Lame) (1336-1405): A great warrior of Central Asia; ruler of Samarkand, he conquered Iran, Transcaucasia, Iraq, Armenia, and Georgia.

Tandon, Purshottam Das (1882-1962): Prominent figure in the Indian freedom movement, Bharat Ratna 1961.

Tansen (c. 1492-1589): Original name Ramatanu Pande. Symbolises the best in Hindustani music. Name Tansen conferred by Akbar when he joined the Mughal court.

Tata, Jahangirji Ratanji Dadabhal (b. 1904-'93): Top Indian industrialist and organiser known for his vision and dynamism. He was the first Indian pilot to get a license. Chairman of Air India. Bharat Ratna.

Tatum, Edward Lawrie (1909-'75): American biochemist.

Taylor, Elizabeth (b. 1932): Englishborn American film actress. Married Richard Burton twice. Cat on o Hot Tin Roof, Who's Alroid of Virginia Woolf?

Temple, Shirley (b.1928): American film actress, and politician. The leading child film star in the thirt

Tendulkar, Sachin (b.

Masser

er, former Captain. At 16 played his st in Karachi. The youngest (at 19) to 000 runs in test cricket. The first bats-score 10,000 runs in one-day cricket. highest scorer in One Dayers. His 40 ies in One-Day is a world record. Award. Rajiv Gandhi Khel Ratna 198.

dulkar, Vijay (b. 1928): Marathi ight. Sangeet Natak Academy Award, Samman, Padma Bhushan. *Kanya*-

nyson, Alfred (1809-'92): English sureate. The Princess, In Memoriom. izIng, Norgay (1914-'86): With ad Hillary, he was the first to climb the tin 1953.

esa, Mother (1910-'97): Roman lic nun, born to Albanian parents in lavia, and baptized Agnes Gonxhanui. Came to India as a teacher at ta. Founded "Missionaries of Charity", ed to working for destitutes. Citizen of 1962. Set up about 570 homes for the spread in about 12S countries. Nobel Prize, Magsaysay award, Templeton I, Bharat Ratna.

reshkova, Valentina (b. 1937): Soismonaut who in 1963 became the first in to make a space flight, aboard (-VI.

ackeray, Balasaheb (b. 1926): Shiv upremo who began his career as a cart at the age of 18.

ackeray, WIIIIam Makepeace I-'63): English novelist. Vonity Fair, Inis.

int, Sithu U. (1909-'74): 8urmese nat; U.N. Secretary-General, 1962-

aroor, ShashI (b.1956): UN Under ary General for Communication and Information since June 2002. Selected 16 as India's candidate for the post of cretary-General. Writer. Authored The Great Indian Novel, India: from Midnight to Millennium, etc.

Thatcher, Margaret Hilda (b. 1925): British Prime Minister 1979-90; first woman head of govt. in modern Europe. Third successive election victory, June 1987. On Jan. 3, 1988 longest serving PM since Asquith. Described as 'The Iron Lady'.

Thlers, Adolphe (1797-1877): French historian who was premier and foreign minister. Authored the 10-volume History of the French Revolution and 20-volume History of the Consulate and the Empire.

Thiruvalluvar (c. 1st century): The greatest ever Tamil poet. Thirukurol.

Thomas, St.: One of the 12 disciples of Christ who came to India in A.D. 52 and founded seven churches in Kerala.

Thoreau, Henry David (1817-'62): American essayist, naturalist and iconoclast, who rebelled against society and lived for a time in a solitary hut. Walden, Civil Disobedience.

Thorpe, Ian (b.1982): Australian swimmer. A record six titles at 9th FINA world swimming championships at Fukuoka.

Tilak, Bal Gangadhar (Lokmanya) (1856-1920): Indian patriot and statesman. "Swaraj is my birthright", the revolutionary said. In Burma, as exile for 6 years. The British called him the 'Father of Indian unrest'. Gitarahasyam.

Tim Berners-Lee, Sir Tomothy John (b. 1955): The inventor of the World Wide Web. Named by Time magazine as one of the top 20 thinkers of the 20th century. Knighted in 2003.

Tlpu, Sultan (c. 1750-'99): Indian prince, sultan of Mysore. French-backed wars against British. Defeated by Comwallis. Killed when British stormed Seringapatam.

Titian (Tiziano Vecelli): (c. 1487-1576): Venetian painter. Sacred and Profane Love.

Tito (Joslp Broz) (1892-1980): The Father of 'Modern Yugoslavia', Tito liberated his

country from the Axis invaders. The exponent of 'national communism', he was the first communist Prime Minister (1945) and President, 1953. Co-founder of Non-Aligned Movement.

Tolstoy, Leo (1828-1910): Russian novelist and writer on ethics and religion. War and Peace, Anna Karenina, Resurrection.

Toynbee, Arnold Joseph (1889-1975): English historian and reformer. A Study of History (1934-54) in 10 volumes. His uncle Arnold Toynbee who died in 1883 was a reformer (and historian) who worked among the poor.

Travolta, John (b.1954): US film actor. He starred in the wildly successful Saturday Night Fever.

Trevelyan, George Macaulay (1876-1962): English historian. History of England.

Trotsky, Leon (1879-1940): Russian revolutionary; Supported the Mensheviks against Lenin's Bolsheviks. Expelled from party. Assassinated.

Trudeau, Pierre (b. 1919): Prime Minister of Canada-1968-79, 1980-84.

Truman, Harry 5. (1884-1972): U.S. President, 1945-53. Took the decision to drop the first atom bomb.

Tulsi Das (1532-1623): Indian poet whose Hindi masterpiece Ram-Charit-Manas (the Ramayana) is venerated by Hindus as the Bible is in the West.

Tunku, Abdul Rehman (1903-1990): Malaysian politician, first PM of the independent country of Malaya (1963-70). The 'father of Malaysian independence'.

Turner III, Ted (Robert Edward) (b. 1938): The man whose vision created CNN (Cable News Network) Married Jane Fonda.

Turner, Joseph (1775-1851): English painter. The Fighting Temeraire.

Tussaud, Madame (1761-1850): Swiss wax modeller. Opened a museum in London containing life-size models of famous people, which is still a major tourist attraction.

Churchill's Novel

Winston Churchill, British Prime Minister (1940-45, 1951-55) and author of A History of the English-Speaking Peoples and The Second World War, and winner of the Nobel Prize for Literature (1953). also wrote a novel 'Savrola'.

Tutu, Desmond (b. 1931): South African clergyman who advocated nonviolent resistance to apartheid. First black Anglican bishop of Johannesburg, Nobel peace prize.

Twain, Mark (pseudonym of Samuel Langhorne Clemens) (1835-1910): America's leading humorist who used his wit to comment on social, political and moral problems. Tom Sawyer, Huckleberry Finn.

Tyson, Mike (b. 1967): Youngest man to win the world heavy weight championship.

Usha, P.T. (b. 1964): The first Indian woman (and the fifth Indian) to reach the final of an Olympic event by winning her 400 m hurdles semi-final. Missed a bronze by 1/ 100 of a second. Created new Asian Games records in all events she participated in X Asian Games, Seoul. 101 international medals. Runs a sport academy.

Ustinov, Sir Peter (1921-2004): British actor, director and raconteur. Oscar award. Dear Me.

Vaidyanathan, Nirupama (b. 1977):

First Indian woman to win a round in a Grand Slam tournament (Australian Open, Jan. 98).

Vajpayee, Atal Bihari (b. 1924): Prime Minister of India from 1998 to 2004. Brilliant parliamentarian,



orator, poet and journalist. Freedom fighter and social worker. Leader of Opposition in Lok Sabha (1993). Headed BJP-led minority coalition govt. from May 16 to 28, 1996. Minister of External Affairs 1977-'79.

Van Gogh, Vincent (1853-'90): Distinguished Dutch painter - the first of the great modern Expressionist painters. Committed suicide.

Varma, Raja Ravi (1848-1906): One of the greatest early Indian artists, from the royal family of Kilimanoor, Kerala.

Vatsyayan, Sachidananda Hira-nanda (Agyeya) (1911-'87): Hindi writer, journalist, Gyanpith award, '78 (Kitni Navom Me Kitni Barì.

Vatsyayana (5th Century A.D.): Sanskrit writer who wrote the famous Kamasutra ('Art of Sex').

Venkataraman, R. (b. 1910): President of India, 1987-92. Vice-President, 1984-87. Was Union Minister (Defence, Finance) before.

Verne, Jules (1825-1905): French writer of science fiction. Around the Warld in Eighty Days, Jaurney to the Centre of the Earth.

Vespucci, Amerigo (1454-1512): Italexplorer, after whom America is named. Explored Venezuela.

Vicente, Gli (1465-1536): Portuguese playwright, regarded as the founder of Portuguese drama. The Forge of Love, The Pilgrimage of the Aggrieved.

Vicky (Victor Welsz) (1913-'66): German-born British cartoonist.

Victor Emmanuel II (1820-'78): First king of Italy.

Victoria (1819-1901): Queen of Britain and Empress of India. The monarch with the longest reign in British history (64 years).

Vidyasagar, Ishwar Chandra (1820-1891): Great Indian scholar and reformer. Fought for widow remarriage, higher education for women, and against child marriage.

Vijayan, O.V. (1930-2005): Political cartoonist and writer in Malayalam. Khasakinte Ithihasam. Padma Bhushan.

Virgli (Publius Vergillius Maro) (70-19 B.C.): Roman epic poet. The Aeneid.

Visvesarayya, Mokshagundam (1861-1962): Engineer,



O.V. Vijayan

educationist and statesman. Was Dewan of Mysore. Bharat Ratna.

Vivekananda, Swami (1863-1902): A saint philosopher who made India's greatness known to the world. Disciple of Rama-krishna Paramahamsa, saint (1836-86) who worked for the uplift of Hindu society. Established Sri Ramakrishna Mission.

Voltaire (the assumed name of Francois Marle Arouet) (1694-1778): French philosopher and writer; prepared the way for the French Revolution, Candide.

Wadia, Ardaseer Cursetjee (1808-'77): Mechanical and marine engineer, the first Indian Fellow of the Royal Society, London, at the age of 33.

Wagner, Richard (1813-'83): German composer, who made revolutionary changes in the structure of opera.

Walcott, Derek (b. 1930): West Indian poet and dramatist. Omeros. Nobel (1992).

Waldhelm, Kurt (b. 1918): Austrian diplomat, President of Austria, 1986. Secretary-General of the United Nations, 1972-81.

Walesa, Lech (b. 1943): Polish trade union leader who became the country's President (1990). An electrician at the Lenin Shipyard in Gdansk in 1970, ten years later he led the strikers as leader of 'Solidarity'. Nobel Peace Prize.

Wallace, Edgar (1875-1932): English novelist and playwright; wrote detective thrillers. The Four Just Men, The Ringer.

Walton, Ernest (1904-'95): Irish scientist, who along with John Cockcroft, split the atom artificially for the first time, thus usherng in the nuclear age in 1932. Shared Nobel

Walton, Sam (1918-'92): One of the vorld's leading departmental-store-retail usiness magnates. Owner of Wal-Mart tores chain.

Washington, George (1732-'99): First J.S. President, 1789-'97.

Watt, James (1736-1819): Scottish enineer and inventor after whom the watt as unit of power is named.

Webster, Noah (1758-1843): American exicographer.

Wells, (George) Orson (1915-'85): merican film actor, writer, director, producer, itzen Kane (1941), The Third Mon (1949).

Weils, Herbert George (1866-1946): nglish author. The Time Mochine, Kipps, The Outline of History, The Shape of Things to come. West, Mae (1892-1980): American

audeville artist and film actress. White, Patrick Victor Martin Sale 1912-90): Novelist, the first Australian to vin a Nobel Prize for literature (1973). The

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Varma, Raja Ravi (1848-1906): One the greatest early Indian artists, from the ral family of Kilimanoor, Kerala.

Vatsyayan, Sachidananda Hira-nanda gyeya) (1911-'87): Hindi writer, journal-. Gyanpith award, '78 (Xitni Navom Me Kitni r).

Vatsyayana (5th Century A.D.): Sanift writer who wrote the famous Kamasutra art of Sex').

Venkataraman, R. (b. 1910): President Indla, 1987-92. Vice-President, 1984-87. as Union Minister (Defence, Finance) before. Verne, Jules (1825-1905): French writer science fiction. Around the Warld in Eighty pays, Journey to the Centre of the Earth.

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Vicente, Gil (1465-1536): Portuguese aywright, regarded as the founder of Porguese drama. The Forge of Love, The Pilgrimne of the Aggrieved.

Vicky (Victor Weisz) (1913-'66): Geran-born British cartoonist.

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Victoria (1819-1901): Queen of Britain at Empress of India. The monarch with the agest reign in British history (64 years).

Vidyasagar, Ishwar Chandra (1820-191): Great Indian scholar and reformer. ught for widow remarriage, higher educain for women, and against child marriage. Vijayan, O.V. (1930-2005): Political rtoonist and writer in Malayalam. Khasakinte Ithihasam. Padma Bhushan.

Virgii (Publius Vergiilius Maro) (70-19 B.C.): Roman epic poet. *The Aeneid*.

Visvesarayya, Mokshagundam (1861-1962): Engineer,

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O.V. Vijayan

Vivekananda, Swami (1863-1902): A saint philosopher who made India's greatness known to the world. Disciple of Rama-krishna Paramahamsa, saint (1836-86) who worked for the uplift of Hindu society. Established

educationist and statesman. Was Dewan of

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Waldhelm, Kurt (b. 1918): Austrian diplomat, President of Austria, 1986. Secretary-General of the United Nations, 1972-81.

Walesa, Lech (b. 1943): Polish trade union leader who became the country's President (1990). An electrician at the Lenin Shipyard in Gdansk in 1970, ten years later he led the strikers as leader of 'Solidarity'. Nobel Peace Prize.

Wallace, Edgar (1875-1932): English novelist and playwright; wrote detective thrillers. The Four Just Men, The Ringer.

Walton, Ernest (1904-'95): Irish scientist, who along with John Cockcroft, split the atom artificially for the first time, thus usher-

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Walton, Sam (1918-'92): One of the orld's leading departmental-store-retail usiness magnates. Owner of Wal-Mart tores chain.

Washington, George (1732-'99): First .S. President, 1789-'97.

Watt, James (1736-1819): Scottish enineer and inventor after whom the watt as unit of power is named.

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est ever to win the sport's career Grand Slam (all 4 majors), at age 24, when he won the British Open, 2000

Woolf, Virginia (1882-1941): English writer who developed the stream-of-conciousness technique. To the Lighthouse, Mrs. Dolloway, The Waves, Orlando.

Wordsworth, William (1770-1850): English Romantic poet, interpreter of nature in her many moods. Poet Laureate, 1843. The Prelude, Sonnets.

Wouke, Herman (b.1915): US novelist. The Caine Mutiny. Pulitzer prize.

Woulfe, Peter (1727-1803): British chemist after whom glass laboratory bottle with two or more necks is known.

Wright, Frank Lloyd (1869-1959): American architect who gained fame for building the Imperial Hotel in Tokyo that withstood the 1923 earthquake.

Wright, Orville (1871-1948) and his brother Wilbur (1867-1912): American inventors and pioneers in aviation. The two brothers were the first men to design and fly a powered, man-carrying 'irplane.

Xerxes (c.519-465 B.C): King of Persia, 485 to 465 B.C.; a great commander; assassinated.

Xlaoping, Deng (1904-'97): Chínese politican rehabilitated in 1977. The country's senior leader until death.

Yadav, Santosh (b. 1969): An Indo-Tibetan Border Police officer, the only woman in the world to have climbed the peak twice ('92.'93).

Yashpal, Prof. (b. 1926): Scientist, UGC Chairman, missionary of scientific thinking. His TV show 'Turning Point' was very papular.

Yeats, William Butler (1865-1939): Irish lyric poet and playwright. The Hour Glass, Deidre, The Secand Caming.

Yeltsin, Boris (b. 1931): President of Russia (1991-99). The first leader of Russia

ever to be chosen by popular vote. Presided over the dissolution of the Soviet Union.

Yew, Lee Kuan (b.1923): Singaporean statesman. Became the first PM of Singapore in 1959 and held the post for 31 years. Dominated the affairs of the region for three decades.

Young, Thomas (1773-1829): English physicist who uncovered some of the mysteries of light and colour. He spoke nine languages, including Latin, by the age of 16.

Zedong, Mao (1893-1976): Architect of the Chinese Revolution and founder of the People's Republic of China. Experiments: 'Communes', the 'great leap forward' and the 'cultural revolution' ('65-'69).

Zeppelin, Ferdinand (1838-1917): German inventor who built the first rigid frame motor-driven airship (1900); subsequent models named after him.

Zhou En-lai (1898-1976): Chinese revolutionary statesman. Formed close partnership with Mao Zedong. Prime Minister of the new China in 1949.

Zidane, Zinedine (b.1972): One of the greatest footballers of his generation. French Captain. Transferred from Juventus to Real Madrid in 2001. The transfer fee was \$66m. which made him the most expensive football player in history. In 2006 World Cup, he won the Golden Ball. Retired from competitive football in 2006.

Zola, Emile (1840-1902): French novelist. L'Assommair, Nano, Germinol.

Zoroaster (Zarathustra) (6th cent B.C.): Persian founder of the Parsee religion. He was a monotheist, and saw the world as a struggle between good and evil.

Zwingli, Ulrich (1484-1531): Świss religious (Protestant) reformer.

Zworykin, Viadimir (1889-1982): Russian inventor of the iconoscope, first electronic-scanning television camera.

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ce ancient times in the Middle and Far East addition and subtraction. The first calculatmachine, it is still used in China and Japan. Ablation: A medical term denoting the noval of dead or diseased part of body. Absolutism: A political system based on olute and uncontrolled political power, ich they believe derived from God's abso-

Abacus: Archaic mathematical tool used

Abulia: The state of mind characterised lack of will or motivation and inability to e decisions.

sovereignty over human destiny.

Acarology: Branch of Zoology dealing h ticks and mites.

Acid Rain: A phenomenon in which ohuric acid and nitric acid are formed in atmosphere due to the reaction of rain ps with atmospheric gases like sulphur xide and nitrogen dioxide.

Acrostic: A poem in which the first letters each line taken in order to form a name or entence.

Acromegaly: Deformity caused by excesesecretion of growth hormone from antepituitary gland. It results in the enlargent of hands, fingers, feet, ears, nose etc. Adenoma: Noncancerous tumour of any

Adlpose: A layer of tissue beneath the nand around kidneys which acts as insulanagainst cold and a storage of energy.

nd.

Advertorial: A journalistic term coined combining the words advertisement and torial. It denotes articles or features which paid by advertisers. Usually items of this egory are commercial in nature and have be news value.

Aerobics: A system of physical exercise done to the tune of music. It also includes other usual exercises like walking, jogging, cycling, swimming etc. Aerobics is most fashionable among the urban youth.

Aerocapture: A technique for placing a spacecraft in orbit around a planet by taking advantage of planetary atmosphere. No expenditure of chemical propellants is involved in this proposed method.

Aerodynamics: Science dealing with the study of motion of air and gases. This is most crucial in the designing of aircraft, automobiles, trains, ships, bridges and high rise buildings. Sir Isaac Newton's laws of mechanics is considered as the beginning theories of Aerodynamics.

Aeronautics: The science and art of design and production of space vehicles. It includes the design, production and maintenance of aircrafts and other related instruments and engines.

Aerostatics: The branch of statics that deals with gases in equilibrium and with gases and bodies in them.

Agent Orange: Military code name for a weed killer sprayed by USA during the Vietnam war over the jungles and farms. Agent Orange is normally used to defoliate trees and shrubs and to kill weeds. The steel drums that stored this chemical were marked with big orange stripes and hence the name originated.

Agnosticism: A term originated from the Greekword agnostos, which means not knowing. It is the belief that ultimate σ is like the existence of God can't but reflects the view that reason method should be applied in fix.

Agraphia: It is the loss of ability to write despite normal functioning of hand. This is caused by the damage of cerebrum.

Agronomy: The scientific study of soil management and agricultural production.

Agrostology: The study of grasses.

Ahura Mazda: The supreme God of Zoroastrians. Ahura means Lord and Mazda means Wisdom. According to Zoroastrian faith, Mazda is pure goodness and is the creator of the seven creations comprising man, cattle, fire, earth, sky, water and plants.

Akinesia: The loss of movement almost completely due to the loss of power in a group of muscles. This is caused by damage to nerves supplying that group due to reasons like stroke.

Albinism: An abnormality caused by mutation of pigment controlling genes. Albinos (person or animal affected with albinism) have abnormally white skin, light hair and pink eyes.

Alexia: A type of blindness in which the affected person is unable to recognize and read written words.

Algoritham: Any procedure involving a of steps used to find the solution to a problem.

Alliteration: Use of two or more words with the same initial letters in succession or a succession of the same initial fetters in a passage. Eg. I sing books, of blossoms, birds, and bowers (Robert Herrick).

All Saints Day: A holy day observed by Christians all over the world on November 1. This day was first observed in AD 609. It honours all christian saints, especially those who do not have days named after them.

Alta Vista: Popular free text search engine in the internet. It was launched in 1995 by the Digital Equipment Corporation.

Alzheimer's Disease: A disease affecting brain which results in loss of memory and other mental abilities. It results from the gradual destruction of brain cells, Inherited abnormalities in brain play a major role in

most of the victims of this disease. It is very rare among pesons below 40 but affects 20 to 30 percent of persons above 85 years of age.

Ambrosia: A mystical substance believed to be eaten by Gods of Greek and Roman mythology. It is commonly believed that any one who eat ambrosia can become immortal.

Amino Acid: The main constituent of protein which is essential to the manufacture of hormones, tissues and other body products. Natural food items like milk, egg, pea, seed etc are rich sources of protein.

Anabisis (resuscitation): Restoring to life from a deathlike condition.

Anachronism: Representing something as existing at other than its historical time.

Anagram: A word or phrase formed by transposing letters of another word or phrase.

Anemology: The science of wind.

Angloplasty: The method of treating stenosis or occlusion of a blood vessel or a heart valve by using a balloon into the constricted area.

Anglology: The science of blood and lymph vessels.

Anima: A persons real inner being as opposed to the character presented to the world. It also denotes to the feminine soul or inner self of a man.

Animus: The masculine inner self of a woman.

Angstrom Unit: A unit of length equal to one hundred-millionth of a centimetre. It has now been replaced by the nanometre.

Anthropology: The study of man including his physical and mental constitution, nature and civilization. Physical anthropology deals with the biological aspects of man whereas the cultural anthropology examines the behavioural patterns and social life of humans.

Antinovel: A work of fiction that rejects the conventional elements of a novel.

Antithesis: Placing together of sharply contrasting ideas. Eg. They died what we might live.

Aphorism: Terse, witty, pointed statement on a general principle. It is a maxim or concise sentence containing precept or important truth. Eg. Anybody who hates children and dogs can't be all bad (W.C. Fields).

Apathy: The lack of interest in oneself or one's surroundings.

Aphasia: The inability of a person to speak and write due to cerebral dysfunction.

Aphonia: Total loss of voice due to reasons like-sudden emotional stress.

Aphrodislac: Drugs or substances capable of increasing sexual excitement and performance.

Applique Art: An intricate handicraft originated in the village, Pipli in Orissa. The wall hangings, bed sheets, umbrellas, bags, ladies' dresses etc prepared by applique craftsmen are enthralling with its grace and artistry.

Appropriate Technology: It is a concept originated as a reaction to over industrialization and massive industrial production. Theorists of appropriate technology advocate that the third world countries should use only that technology which is appropriate to their economy. It underlines the concept, 'small is beautiful' and supports Gandhian Economics which is based on concepts like decentralization, cottage industry and sustainable development.

Aqualung: A device that allows a diver to breathe under water.

Aqueduct: Artificial channel for carrying water from one place to another. It can be built with concrete, steel, wood and the like and in some cases tunnels and canals are constructed. In aqueduct the outlet will be much lower than the source and hence gravity alone carries the water.

Arbitrate: Practice of switching shortterm funds from one investment to another in order to obtain the best return. Also the act of buying at the lower price and reselling at the higher price. **Arboriculture:** Cultivation of trees and vegetables.

Archaeology: The scientific study of the history of ancient societies from their existing remains or antiques.

Artificial insemination: The technique used to induce pregnancy in women who are unable to conceive naturally. In this method of insemination the semen is inducted into the uterus not by sexual intercourse but through artificial means. This method was originally developed and extensively used to breed cattle with improved characteristics.

Artificial Intelligence: Computer progra-mmescapable of taking decisions and actions similar to human intelligence.

Arya Samaj: A reformist movement founded in 1875 by Dayanand Saraswati based on the slogan, 'back to the Vedas'.

Asceticism: A religious practice of voluntary, sustained self discipline and denial of physical and psychologiacl desires for sublime spiritual attainment. Those who practice this called ascetics.

Astigmatism: A visual defect in which both nearby and distant objects appear blurred. It is caused by an abnormal curvature of the cornea which usually affects both eyes.

Astronomy: The scientific study of celestial bodies such as sun, moon, stars, planets etc.

Atlantic Charter: Principles agreed by British Prime Minister Winston Churchill and US President Franklin D Roosevelt in Placentia Bay, Newfoundland in 1945 August when the Second World war was raging Europe.

Atomic Clock: The most accurate device available today for measuring time. It is based on a standard called UTC (Co-ordinated Universal Time) in which the average of atomic readings from 18 different centres of the world is calculated. This is expected to be accurate time for a quarter million years.

Aurora: A natural display of light in the form of arcs, clouds, streaks, flickers and the

e in the sky which is visible only in night.

Authoritarianism: A political system with thless control over the people which it

lieves essential for the welfare of the sociy. It never accepts individual freedom or il liberties. Authoritarian systems can be of

y type ranging from capitalist to socialist or om religious to business.

Autocracy: It is a perverted form of absotism in which the power is concentrated in individual who acts arbitrarily without any incern for the people's welfare.

Automation: The use of electronic equipents, machines, computers etc. to perform sks normally done by people.

Autopsy: Dissection and examination of a 2ad body to determine cause of death. Also

nown as postmortem or necropsy.

Avant Garde: Those who create or support the newest ideas and techniques in an art.

Avogadro's constant: The physical uantity of molecules in a mole or of eleconic charges in a faraday.

Axiomatics: A scientific method used to rive at logical deductions from accepted icts.

Ayatoliah: A Shiite Muslim title. It means ign of God'. Particularly associated with the lamic Republic of Iran.

Axtec: A civilisation developed between to 12th and 16th century by the Tenochca ibe, migrated into the valley of Mexico from the Azatlan region in the north.

Balance of payments: A tabulation of a credit and debit transactions of a country ith foreign countries and international institions.

Balance of Power: Aforeign policy prinple in which alliances of nations are formed prevent one nation from achieving overhelming power in any one part of the world. Balanced growth: A particular form of

owth process of the economy in which all the ain economic aggregates - national income, nsumption, stock of capital, employmentgrow at the same percentage rate over time.

Ballad: A short narrative poem or a slow love song that tells a story in popular music adopted for reciting and singing.

Ballet: A European theatrical dance form with its own characteristic techniques like leaps and pirouetting on toes. It was created by Italian masters in France in the 15th century.

Bamboo Curtain: The controls and restrictions imposed by Mao Zedong in communist China to prevent its population from having exposure to the outside world, especially capitalist western societies.

Bandung conference: A conference of Afro-Asian leaders held in Bandung, Indonesia, to assert their identity independent of the big powers.

Bandwidth: The quantity of information that can be transmitted through a communication line. It denotes the capacity of the line, measured in bits per second.

Baptism: A religious practice in which washing or ablution with water is performed. It symbolises purification, washing away of sins and the start of a renewed life. Baptism is a most important ceremony for Christians.

Barbecue: Cooking of meat, fish or vegetables in metal frame over an open fire. Originally it referred to the roasting of a whole pig, ox or other large animal over wood or charcoal fire in an open place.

Baroque: A style of art and architecture, named after the Italian painter Federigo Baroccio. This was originated as a reaction against reformation movement and classicism and was directly promoted by the Catholic Church.

Barter: Direct exchange of goods and services without the use of money.

Base period: The time period used as the base from which to calculate an index number or a growth rate.

Bathos: Sudden descent into the ridiculous, often for comic effect. E.g. He is a gentleman; look at his boots (George Bernard Shaw).

Beat generation: A group of young Americans, who, fed up with Western values turned to Eastern religion for inspiration. They adopted a Bohemian lifestyle and tried experimental literary forms.

Benelux: An economic alliance formed in 1948 by three nations - Belgium, Netherlands and Luxembourg. The term Benelux is coined by the first letters of each country's name. It was formed to create a common foreign trade policy and free movement of goods and services.

Beriberi: A disease caused by deficiency of thiamine (vitamin B). It causes stiffness of lower limbs, paralysis, and pain and ultimately the victim becomes too sick to do anything.

Berliner Ensemble: A theatre company in East Berlin. Founded by Bertolt Brecht, playwright and theatre director, Berliner Ensemble was a major influence on 20th century theatre.

Bernouili disk: A form of computer maqnetic disk storage, named after Daniel Bernoulli, the Dutch mathematician. The disk can be removed and replaced.

Best boy: The charge-hand electrician working under the gaffer, who is the chief electrician in a film or TV production crew.

Bibliography: A list of books or articles about a subject or an author.

Bikini: A small and isolated atoll in the northwestem Marshall Islands group in the Pacific Ocean. Bikini became famous after the second world war following a series of nuclear tests by US. The first hydrogen bomb was also tested here in 1956.

Big Bang: A theory explaining the origin of universe. According to this theory the universe originated from a sudden explosion of energy 10,000 -15,000 million years ago and started expanding to all directions. Over millions of years the expanding mass formed into particles, then into gas. Due to gravity gas became compressed and broken up to form galaxies planets and stars.

Blodegradability: The capacity of a substance to decompose by bacterial or biological processes into nature friendly elements.

Bioenergetics: A sytem of psychoanalytic therapy developed by Austrian psycholoqist Wilhelm Reich. This system also known as character analysis is based on the theory that sexual frustration is the root cause of neurosis. This theory equates sexual energy with a universally existing life force called 'orgone'.

Bloengineering: A branch of engineering that develops devices and equipments to replace human body parts.

Bloethics: The study of the ethical problems arising from scientific advances.

Blological clock: A mysterious timing system that operates in plants and animals. This clock keeps accurate time of days, weeks, months and years and times the physiological activities of living things to keep them in rhythm with the environment. Reproductive cycles, menstrual periods, breeding seasons, sleeping times etc are synchronised with the help of this clock. The migration of birds and blossoming of flowers are all set by the builtin clocks.

Blologic Rhythms: Cyclical variations in physiological and biological functions, level of activity and emotional state.

Biometrics: The use of statistical and other mathematical methods of analysis on data pertaining to living organisms.

Blometry: The application of mathematics to the study of living things.

Blonics: A term coined with the first syllable of biology and the last syllable of electronics. This is applied to a variety of scientific projects involving biological systems, engineering systems and artificial intelligence. Bionics study biological processes like storing of solar energy by plants, light emission by fireflies etc. Machines are then devised to simulate the processes for technological application.

Blopsy: Microscopic diagnosis of a living

Caucus: In US caucus is an open meeting of party policy makers, who take crucial decisions of a political party. But in India caucus means an inner group engaged in behind the scene operations within a political party.

Celestial Sphere: Imaginary sphere surrounding the Earth on which all heavenly bodies appear to move.

Celsius: The universally accepted standard of measuring temperature. Celsius is a centigrade scale that divides the freezing and boiling points of water into 100 parts. This was developed by Swedish astronomer Anders Celsius in 1742 which soon replaced the earlier system of Fahrenheit.

Censure Motion: A motion moved against the government in general censuring any of its policy or particularly against a minister or ministers.

Census: A count, usually providing social, demographic or economic information, of the total population of the group studied.

Chain letter: A letter circulated among people by being copied and sent to others who do the same.

chamber music: Classical music written for a small number of instruments.

Chartism: A political movement of the British working class during the early 19th C. It was based on liberal ideology and it considered political reform essential for social and economic development.

Checks and Balances: A constitutional system in democracies as a safeguard from possible misuse of power.

Chemotherapy: It refers to the therapy using chemical substances in the treatment especially in cancer. Chemotherapy is widely used to check the malignant cell growth in different types of cancers.

Chinese Puzzle: A game in which you have to solve the problem of fitting many different pieces together, especially boxes inside other boxes.

Chicken Guinea (Chikungunya): It is a

rare form of viral fever caused by th 'alphavirus' transmitted to human by the bit of infected mosquitoes. The terr Chikungunya is derived from 'makonda meaning 'that which bends up' in referenc to the stooped posture developed as a resu of the arthritic symptom of the disease.

Chipco Movement: A popular environ ment movement in India started by Sunderk Bahuguna in 1972. Chipco is a Hindi Garhwali word meaning embrace. The first direct action of this movement took place in 1973 at the Mandal forest in the Chamo district in Uttar Pradesh when the villager marched in procession and put their arm around 50 ash trees marked by the forest department for felling. Initially it aimed a protection of trees but later the campaign turned to be a wide movement for alternative development.

Chlorophyli: The green pigment in plant that absorbs light for use in photosynthesis. I is also found in some simple organisms like algae.

Chronobiology: The study of duration of life.

Circumcision: The practice of removing the foreskin of male genital organ. In some societies it is done in females also, in which a or part of the external sex organ is cut off Circumcision is advocated on the ground or reasons like sacrifice, admission to one's social group, preparation for marriage, symbolic recognition of the dangers of intercourse or simply as a hygienic measure.

Classicism: A movement in art and life characterised by reason, order, balance and simplicity.

Clearing House: Any institution that settle mutual indebtedness between a number o organisations.

Cleopatra's Needle: Either of two an clent Egyptian obelisks in London and in New York. These were gifts from the ruler of Egypt (1878) to England the USA.

المستعدد المسترات المستحدد الم שסק פוסת בתכת בתפקב עובו וכוכר כעווב

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Climax : Series of statements in rising roer of imensity. Eq. 1 came, 1 saw, 1 conpered (julius Caesar).

Closed Economy: An economy assumed or to take part in international trade so that . בהכקודו זכ בהכקצם כח וצול

Glosed User Group (CUG): A group of ersons with access to communication and of eldelieve ten are that are not available to on members of the group. Eq. Free CUG calls rovided by some mobile phone companies.

Cloudburst: A sudden and heavy rainfall or a short time in a small area. Usually cloudursts are accompanied by thunderstorms.

Coeducation: System of teaching male nd female students together in the same lass or school.

Collage: Objects such as newspaper, string r cloth which are pasted onto canvas or aper.

Collateral: Money or property which is sed as a guarantee that someone will repay loan.

Collective Security: In this system of nternational security, the member nations gree to take joint action against a nation that ttacks any one of them.

Colloid: A state midway between a susension and a true solution.

Colour Bilindness: Inability to differentite all colours apart. This is also known as laltonism. A normal eye has three visual cells alled cones helping to identify different colurs. lut the colour blinded eyes lack the cones ompletely or partially.

Communication Gap: A situation in the

process of communication when no meaningtui exchange of ideas or information takes place. This may be due to the physical or mental differences between the parties involved in the communication.

Computer Literacy: Knowledge regarding the basic principles of computers, programs, softwares, related expressions and being able to use computers.

Concentration Camp: A place where rpalitizal enemies' are imprisoned usually without trial. The term was first used by Britain for the prison camps set during the Boer war around 1900. Those setup by Nazi Germany in which an estimated 7 to 8 million prisoners were kept were notorious.

Conditional Access System (CAS): A transmission system in which the TV signals are encrypted inorder to prevent interception or defaulting by the users. A set top box is used to decrypt the signals.

Constructivism: An out movement developed in Russia around 1920, in which industrial materials are used to create objects.

Consumer Credit: Short-term the public for the purchase of speci-Consumer's Sovereignty: Ithis exist when resources are allocated in consumers' preference as opposed state direction.

Continental System: The blocksigned by Napoleon to weaken Britaln tl destruction of British commerce.

Contras: The counter revolutionary f that sought to overthrow the Sandinistage ernment in Nicaragua.

Convertibility: A currency is said to be convertible when it may be freely exchanged for another currency or gold.

Conveyor belt: A continuously moving strip of rubber or metal which is used in factories for moving objects along.

Cosmology: Study of the universe, its scigin and structure, the nature of time and : بعدية and the essential character of natural laws.

Cost of living: The average amount of money that each person in a country needs to spend on food, housing and clothing.

Countertenor: A man who sings with a high voice that is similar to a low female singing voice.

Coup d'etat: An attempt to get rid of the President or the government of a country.

Court Martial: Military court dealing with cases relating to members of armed forces and civilians employed in military bases. These courts follow normal legal procedure and the accused is considered innocent until he is found guilty.

Convergence of Media: Technology in which multiple media come together to form a single media with the advantages and features of all of them. Normally this means more features than the conventional media in less space and size. Eg. Mobile phones incorporated with digital camera, MP3 player, camcorder, voice recorder etc.

Crainology: The science that deals with skull.

Credit: Granting the use or possession of goods and services without immediate payent. There are three types of credit:

) Consumer credit; (b) Trade credit and (c) Bank credit.

Cryogenics: The science dealing with the production, control and application of very low temperatures.

Cryptography: A branch of study dealing with codes and deciphers with the objective of maintaining privacy and secrecy of communication. Initially it was used for military and other strategic purposes. But with the advent of information technology it assumed wide commercial importance. Now it is commonly used in e-commerce, e-banking and other IT related areas.

Crystal therapy: A method of treatment which uses precious and semi-precious stones. Stones are believed to have vibration patterns that can increase human body's energy or correct imbalances.

Culture Shock: The feeling of psychological alienation and shock when humar beings are separated and transplanted to a totally different environment.

Cunelform: A system of writing used ir ancient Middle Eastern Civilizations. The word cuneiform, derived from the Latir word cuneus, means wedge. The cuneiform characters are shaped like wedge and this script was used by Sumerians, Babylonians etc.

Cup Tie: An elimination match in a sporting contest played for a cup.

Currency: Notes and coins that are the 'current' medium of exchange in a country.

Curtain Raiser: Journalistic term to denote background stories and features of a forthcoming event published in order to create enthusiasm.

Cybernetics: The study of communication and control in machines and animals. Norbert Weiner, an American mathematician introduced the term cybernetics in 1948. It mainly deals with the similarities in the functioning of human body and machines. The main characterisite of any communication is feedback which is relevant both to human beings and machines.

Dactyllology: The technique of communication by signs made with the fingers. It is generally used by the deaf.

Dactylography: The study of fingerprints for the purpose of identification.

Database: Database is a collection of documents or records of identical characteristics. The user can search and retrieve documents from the database.

Dear Money: High rates of interest. A 'dear money policy' carried out by a monetary authority would be one of restricting the money supply in the interest of reducing inflation.

Death-rate: The number of deaths occurring in any year for every 1000 of the population. t: A sum of money or other property by one person or organisation to

bel: The unit by which the loudness d is measured. The sound which is udible to human ears is taken as the r measuring any other sound. The evel of aircraft engine is 120 db. above 130 db is very painful to ears. pher: Decoding of an encrypted or d message into actual message in language.

cit: An excess of liabilities over assets, n expenditure flow over an income

ation: A reduction in the general prices.

rium: A state of mental confusion erised by disordered brain function, to understand events or remember increased anxiety, restlessness, sudinges in mood etc.

hic Oracle: Oracle is the divine anprophecy given as a reply to questions oly shrines in Greece. Delphi, a town ce is the seat of the famous Apollo which is believed to be the centre of he Oracle of Delphi is the most celone in Greek history and mythology. lly the oracles were given by Goddess ut after Apollo took over the temple cles were delivered by a priestess.

ography: A science of study dealing e statistical study of population with to their size, structure and developt covers areas like fertility, mortality e impact of factors like education, size, marriage, racial characteristics he growth of population.

drology: The study of trees.

que: A disease caused by a virus by mosquitoes, Symptoms of this are fever, headache, muscle pain, ain, running nose, sore throat, skin is also known as breakbone fever.

Deontology: The study of moral responsibilities.

Depression: A severe trough in the business cycle where there is widespread and sustained unemployment.

Desailnation: Removal of the salt content from sea water in order to make it usable for human and industrial needs. Several methods are used to desalinate water. A common method of desalination is the induction of ion exchange solids into water and then forcing the water through a membrane. Today billions of gallons of water is produced every day from sea water worldwide. It is inevitable to many arid regions with access to seas.

Despotism: A form of government in which all power is concentrated in the ruler and he commands unlimited authority over the people. Despots may not be harsh or cruel or anti people but they never heed for public opinion. Many despots in the history were actually 'enlightened', but they used greatest power in maintaining their authority and supremacy.

Devaluation: the reduction of the official rate at which one currency is exchanged for another.

Developing Country: A country that has not yet reached the stage of economic development characterised by the growth of industrialisation, nor a level of national income sufficient to yield the domestic savings required to finance the investment necessary for further growth.

Dewey Decimal System: A system of classification used in libraries for storing and retrieval of books. In this a common class number is allotted to all books under one subject and then sub-categories are created under that number. Melvil Dewey, an American Librarian devised this system in the late 19th c.

Dialogue: A conversation between two persons

Dlaspora: Literally diaspora means dispersion. It originally refers to the predicament of Jews since the mass exodus in 586 BC following the conquest of their Kingdom by Babylon. Now it is used to denote any people_ so dispersed at any part of the world.

Diathermy: Method of treatment for disorders like muscle pain, muscle strain, joint pain etc. by creating heat energy in tissues beneath the skin.

Dictatorship: A form of government in which the political power is concentrated in one individual without any constitutional provisions against it. Dictatorship invest all power in a single person or political party. Dictators demand blind obedience from the people for the goals they set; like unity of the nation or development of the society etc. Dictators usually arise out of military coup, triumph of political movements or following war. Dictatorship usually degenerates to despotism and tyranny.

Dipiopia (double vision): Perception of two images of an object usually caused by eye-muscle paralysis.

Direct taxation: Taxation on individuals or companies which is paid directly by them or through their employer to the inland Revenue. In general, direct taxation is levied on wealth or income.

Dirge: A moumful song or poem for the dead.

Dishoarding: The running down of stocks of goods or money which have been accumulated by hoarding.

Disinflation: The reduction or elimination of inflation.

Disposable Income: Personal income including transfer payment after all direct taxes have been deducted.

Division of Labour: The specialisation of workers in particular parts or operations of a production process.

Domesday Book: The first official record about the land owned by people in England. The census was conducted and recorded in 1086 on the orders of William the Conquerer who conquered England. His purpose was to

assess how much land he owned and how rest was divided.

Donor Site: Area from which tissu collected during surgical procedure such

Dossier: Set or bundle of docume relating to a particular person or happen

Double Jeopardy: Subjection of an cused person to repeated trial for the sa offence. In India, no person can be p ecuted and punished for the same offe more than once.

Double Taxation: The situation which the same tax-base is taxed m than once.

Draconian: A law or governmental tion which is unreasonably severe or much than what is necessary or right.

Drug Holiday: A medical term denot the discontinuance of a drug for a limi period of time for evaluating the effect or: effect.

Drug Tolerance: Repeated use of so substance, drug or narcotics results in a c dition in which larger and larger doses required to produce the same psycholog or physiological effects obtained earlier fr smaller doses.

Dry Dock: A dock in which a ship car out of water for repairing the parts below waterline.

Dry Farming: The process of grow crops in semi and regions without irrigat and sufficient rainfall.

Dumping: The sale of a commodity of foreign market at a price below marginal c

Duopoly: The market situation in wh there are only two sellers of a particular go or service.

Duopsony: The market situation in wh there are only two buyers of a particular go or service.

Durable Goods: Consumer goods washing machines, motor cars, TV sets, wh yield services or utility over time rather the being completely used up at the moment of consumption.

Easter Lily: A tall plant with long pointed leaves and large, fragrant, trumpet shaped white flowers. It is found all over the world and is considered as a sign of Easter.

Echolocation: The determination of the position of an object by the emission of sound waves which are reflected back to the sender as echoes.

Ecology: Biological science dealing with the study of organisms in their environments, social behaviour, conservation and adaptation of organisms.

Econometrics: A branch of economics that applies mathematics and statistics to economic theory. The analysed data and findings are very much useful for framing economic policies and decisions.

Economic Value Added (EVA): It measures the profit that a company earns over the cost of capital. Companies use this financial metric to evaluate the economic value they are generating for a given amount of capital employment.

Economies of Scale: These exist when expansion of the scale of productive capacity of a firm or industry causes total production costs to increase less than proportionately with output. As a result, long run average costs of production fall.

Eczema: Inflammation of skin with redness, soreness, itching and discharge of serous fluids.

Edutainment: Media programmes or contents which are a blend of education and entertainment intended to educate the users while entertaining.

Ekistics: The science of human settlements, including town and country planning.

Elasticity: The measure of degree of responsiveness of one variable to changes in another.

Electrolysis: Chemical transformation of a substance induced by passing an electric current through it. Negative and positive

charges interact and alter the electron composition of the substance. Electrolysis is commonly used in metallurgy for extracting metals from ores.

Electromagnetism: A branch of physics that studies the relationship between electricity and magnetism.

Elegy: A poem usually reflecting death, especially death of a friend. 'Elegy Written in a Country Churchyard' by Thomas Grey is a world famous elegy.

Embalming: Achemical processby which dead bodies are preserved.

Embezzlement: Offence committed when someone entrusted with another's money or property illegaly takes it for personal use. It is different from robbery,

Embossing: The process by which a raised design is stamped or pressed on the surface of materials like metal, leather, wood, paper etc.

Embourgeoisement: When workers get fair wages and their income rises they began to imitate the middle class by that shedding their revolutionary ideas and support to revolutionary parties.

Emoticon: Symbols or pictures used in computer communications to convey emotions.

Empathy: Awareness about the meaning and significance of the feelings, emotions and behaviour of another person. It is the projection of ones own consciousness into that of another

Employment, Full: The economy is said to be at full employment when everyone who wishes in work at the going wage rate for his type of labour is employed but because it takes time to switch from one job to another there will at any one moment be a small amount of unemployment.

Encephalitis: Inliammation of the brain. It is caused by virus infection, bacteria, harmful chemicals and tiny parasite: **pwsiness, fever, headache, muscle v use the symptoms of encepha jerky movements, paralysi

n speech, hearing, seeing and swallowing and even death.

Encyclical: Letter from a Christian leader, particularly the pope, which is intended for distribution among churches.

Entomology: A branch of zoology contemed with the study of insects.

Entrepreneur: The name given in economic theory to the owner-manager of a firm. Epigram: A short, witty poem or pointed

Epigram: A short, witty poem or pointed saying characterised by compression, polish, palance and clarity.

Epilogue: Concluding section of a book, play, film, television programme etc usually as a comment on what has happened.

Epiphany: A Christian festival held on January 6, in memory of the coming of Magi to the Infant lesus at Bethlehem.

Epitaph: Memorial inscription on a tombstone or other monument to the dead.

E-publishing: Production and distribution of different media products in digital format. E publishing is similar to the traditional print publishing but the content distribution in this system is done through different storage

Equilibrium price: The price at which a market is in equilibrium.

devices or through computer networks.

Equilibrium: A state in which forces making for change in opposing directions are perfectly in balance so that there is no tendency to change.

Eschatology: The study of death, destiny. Estate duty: A tax payable on a person's property at his death and before it passes into

the hands of others.

Ethnology: A branch of anthropology that deals with the origin, distribution and distinguishing characteristics of the race of

Etymology: The study of the origin and development of words.

Eugenics: The study of the production of better offspring by the careful selection of parents.

Eulogy: A writing or speech in praise of a person

Euphemism: Polite or inoffensive way of saying something unpleasant. Eg. Unmentionables for underclothes. Father in law's house for Jail. Working woman for prostitute.

Euthanasia: The practice of painlessly killing people who have incurable or painful diseases or disabilities. Also known as mercy killing, it is done when the incurably ill people ask a doctor or relative to put him to death.

Euthenics: the science of improving the human species through control of environmental factors.

Excerpt: An extract or selection from a book or writing.

Exchange Rate: The price (rate) at which one currency is exchanged for another currency for gold or Special Drawing Rights.

Excise Duties: Taxes levied upon goods produced for home consumption.

Exoblology: A branch of biology that deals with the search for extraterrestrial life, especially intelligent life, outside our solar system. Exobiology is sometimes called xenobiology or astrobiology.

Exosphere: Qutermost part of a planet's atmosphere.

Exports: The goods and services produced by one country which are sold to another in exchange for the second country's own goods and services, for gold and foreign exchange or in settlement of debt.

Extradition: The handing over by a foreign state of a person, accused of a crime, to the state where it was committed. Extradition is done through a treaty existing between independent nations.

Fabianism: A socialist movement in England with the objective of reconstructing society in accordance with the highest moral precepts. It was originated in London in 1884 with the formation of the Fabian Society.

Factors of Production: According to Marshall, these are 'the things required for

mankind.

making commodity'. These inputs are grouped into land, labour and capital.

Falconry: A sport item popular in gulf countries in which natural predators like falcons, hawks and eagles are specially trained to kill prey and return to the gloved wrists of owners. The peregrine falcon, which is the world's fastest bird that can swoop on a prey at 240 kmph, is the most prized bird in falconry. This blood sport known in the east as long ago as 2000 BC, is a favourite hobby of Arab Sheikhs.

Fibre Optics: A branch of physics that utilises a fine glass or plastic fibre with refraction properties that allow light to pass around curves and without loss of intensity. With this technology it is possible to convert an electrical signal into a light signal, pass it through fibre, and reconvert it into electrical signal at the receiving end. A single strand of a fibre optic cable can carry the entire telephone traffic of a large country. Fibre optics has revolutionised the field of telecommunication. It is also used in medical equipments like endoscope.

Fillibustering: Practice by which a minority in a legislature uses non stop debate to block or delay action on a proposed bill. Members of the minority makelong speeches and propose useless motions. The US senate has a tradition of this unlimited debate.

Final Products: Goods used by consumers in consumption, rather than by firms as inputs into process of production.

Finance: The provision of money when and where required. Finance may be short term (usually upto one year) medium term (usually over one year up to 5 to 7 years) and long term.

Firewall: A security device used in computer networks for protecting them from external access.

Fiscal Policy: that part of government policy which is concerned with raising revenue through taxation and deciding on the level and pattern of expenditure.

Fixed Costs: Costs which in the short run do not vary with outputs. These costs are borne even if no output is produced.

Floating Debt: Generally, any short-term debt, specifically, the part of the national debt that consists of short-term borrowing.

Floor Crossing: Changing one's allegiance from one party to another, especially in legislatures. The expression originated in the context that in most of the legislatures the ruling party and opposition sit facing each other in the floor of the house.

Flow Chart: A diagram which shows the sequence of steps to be followed for solving a particular problem, usually in algorithm

Flutterfly: old name of butterfly

Flying Saucer: Another name of Unidentified Flying Objects (UFO) which is believed to be used by beings from other planets to visit earth. Sightings of these disc shaped vessels were reported from many parts of the world. But the scientific enquiry by US agencies ruled out the sightings as mere weather related phenomenon.

Food Chain: A natural cyclical process by which lesser organisms are eaten by higher organisms. When the higher organisms die and decompose, their nutrients are back to the soil where lesser organisms take them up and the chain action is repeated again.

Foreign Aid: The administered transfer of resources from the advanced countries for the purpose of encouraging economic growth in the developing countries.

Foreign Exchange: Claims on another country held in the form of the currency of that country or interest bearing bonds.

Foreign investment: The acquisition by governments, institutions or individuals in one country of assets in another.

Fox fire: The luminiscence of decaying wood and plant remains, caused by various tungi.

Francophobe: Aperson who hates France and its people.

Fraternal Twins: Twins that are the sult of simultaneous fertilisation of two ova y two sperms.

Free Market: Amarket in which the forces f supply and demand are allowed to operate nhampered by government regulation or ther interference.

Free Trade: The condition in which the ee flow of goods and services in internaonal exchange is neither restricted nor en-

ouraged by direct government intervention.

Freudian slip: A slip of the tongue or pen
nat seems to reveal a person's real character.

Fringe benefits: Rewards for employ-

nent over and above the wager paid. e.g. joods at a discount, subsidized meals, arangements, etc.

Frontline states: Seven states bordering

iouth Africa defined by their position on the ipartheid system which prevailed in South Vrica. These states were Angola, Botswana, Mozambique, Namibia, Tanzania, Zambia and Zimbabwe.

Frost Bite: It affects any part of body, aspecially toes, nose, ears, and fingers below the temperature of 32 Degrees. Symptoms include pins and needle sensations followed by complete numbness. The skin seems white,

cold and hard and later it becomes black.

Fuzzy Logic: Logic, similar to human reasoning, applied in computer programming.

Gangrene: It is the death of tissue due to oss of blood supply. The affected skin and

Gastroenteritis: Infection of the digesive system caused by virus or in some cases pacteria. Symptoms of the disease are vomting, abdominal pain and diarrhoea. This

ting, abdominal pain and diarrhoea. This esults in severe dehydraion which will lead o convulsions or kidney failure or even to leath.

Genesiology: The science of generation.
Geomedicine: The branch of medicine lealing with the influence of climate and environmental conditions on health.

Gerontology: The study of old age, its phenomena, diseases, etc.

Gerrymander: Rearrangement of electoral constituencies or districts in the interest of a particular political party or candidate. Commonly this a manipulative measure to give an unfair advantage to one political party especially the ruling party. The word gerrymander originated from the name of Governor Elbridge Gerry of Massachusetts.

Ghost Writer: The real author of stories or books that bear name of someone else.

Giffen Goods: Goods which do not obey the law of demand, viz., that less is bought as price rises.

Gift Tax: A levy on the value of certain

Gift Tax: A levy on the value of certain property given away to others and paid by the donor.

Ginseng: It is the root of a medicinal plant which contains the biologically active substance ginsenoside. It is used for thousand of years as a tonic and an aphrodisiac.

Global Warming: An increase over a

period of the average temperature of earth's atmosphere and oceans. The greenhouse effect is attributed as the main reason for this phenomenon. Average global temperature since the late 19th century is taken (plus or minus) for assessing the effect of global warming.

Glottochronology: The study of the history of language.
Gold Coast: Ghana, before independence.

Gold Standard: A country said to be on the gold standard when its central bank is obliged to give gold in exchange for anyof its currency presented to it.

Gold Standard: A monetary standard under which the basic unit of currency is equal in value to a given amount of gold.

Google: The most popular search engine in the Internet offering basic and advanced search options and mail service.

Googol: The number written as 1 followed by 100 zeroes, or 102.

Great Leap Forward: In 1958, this move-

issue becomes black.

initiated in China to speed up progress. The 'communes' under Leap were a failure.

iouse Effect: The phenomenon illding up in earth's atmosphere. pened when pollutant gases pren escaping into space. The carbon the atmosphere lets sunlight pass to earth, but it blocks the infrared oming from earth because it is of a elength. Due to this the gas acts like f of a green house to trap the heat es the inside air hotter than outside.

Domestic Product (G.D.P.): A f the total flow of goods and sersced by the economy over a speciperiod, normally a year. It is obvaluing outputs of goods and serirket prices and then aggregating. lational Product (G.N.P.): GDP come accruing to domestic resing from investment abroad less med in the domestic market accruigners abroad.

I Crew: People responsible for the maintenance of an aircraft.

a War: A type of warfare practised ar forces employing unorthodox ctics to fight against established ilitary forces. The usage of querilla voque during the Peninsular War in which Spanish and Portuguese (little warriors) helped to drive the t of Iberia. The general dictum of chnique is that 'the guerilla wins loes not lose; the army loses when t win'.

ine: A machine with knife-blade beheading. This machine was uring the french revolution, named h Ignace Guillotine. In legislatures means the drastic method of curate.

A forced labour camp or prison, for political prisoners.

Gunpowder Plot: The plot of 1605 to blow up king James I of England and the Houses of Parliament. The plot failed.

Habeas Corpus: A legal term in its original Latin, means you are ordered to have the body. It is a writ or judicial order requiring that a prisoner be brought before a court at a stated time to decide the legality of his detention or imprisonment. Habeas corpus safeguards personal freedom by protecting individuals from illegal detention or imprisonment. In India the High Courts are empowered with the power to issue this writ for the enforcement of fundamental rights.

Hacker: A person who intrudes into computer networks using their programming skills and accesses or damages restricted data.

Halku: A poetic form in Japanese literature, consisting of 17 syllabus in five sevenfive pattern.

Hard News: A current news story having significant impact, usually related to politics, economics, disaster etc. It is straight and serious news content with little 'flesh and spice'.

Hellotherapy: The sun cure.

Hermaphroditism: The condition of having both male and female reproductive organs.

Hermeneutics: Study of the general principles of biblical interpretation.

High Seas: The waters lying outside the territorial waters of any state.

Hippocratic Oath: An ethical code assumed to be developed by Greek physician Hippocrates. This moral code governs the professional conduct of medical practioners all over the world.

Hoarding: The withdrawal of money from active circulation by accumulating it rather than spending it on consumption or buying assets.

Hodgkins Disease: It affects the lymphoid tissue in the lymph node. It starts as a painless enlargement of lymph nodes. Persistent fever and unexplained weight loss may also follow.

Hologram: A three dimensional photo-

graphic image extensively used for creating watermark and identifying stamps in security documents and products. This technique developed in 1947 has a lot of commercial applications.

Homlcide: Killing of one person by another.

Homogeneous products: When the outputs of dilferent firms are undilferentiated and perfect substitutes in the eyes of consumers then the product is said to be homogeneous.

Hospice: Nursing home that specializes in the care of people who are dying.

Hotbot: A free text search engine in the internet.

HTTP: Abbreviation of Hyper Text Transfer Protocol which guides the communication between computers on the internet. It is the most crucial protocol governing the world wide web (WWW) and is used to transfer hypertext files across the internet.

Household: An economic unit which is defined for the purpose of the census of population as a single person living alone or a group voluntarily living together.

Human Capital: The skills, capacities and abilities possessed by an individual which permit him to earn income.

Human Sacrifice: The practice of killing human beings as a religious rite to propitiate the god. Human sacrifice has been part of all religions and all civilizations.

Hundred Days: The period between Napoleon's arrival in Pan's after escaping from exile on Elba and the return of Louis XVIII to Paris.

Huntington's Disease: A severe hereditary disease alfecting the nervous system. It is named after George Huntington, an American Doctor. This disease destroys brain cells, affects body movements and mental activities and results in death.

Hybrid Bills: Hybrid bills are public bills which may in certain respects affect private interest. In 8 ritain, there is separate procedure for passing this legislation.

Hydrodynamics: The mathematical strong the forces, energy and pressure of liquimotion.

Hydrography: The science of water me surements of the earth with special refere to their use for navigation.

Hydropathy: The cure of disease by internal and external use of water.

Hydrotherapy: It is the method of treing diseases by using water, either hot or co

Hyperbole: Exaggerated statem used for emphasis. Eg. A horsel. A Horsel (Willi Shakespeare).

Hypochondria: Morbid anxiety ab health or imaginary illness.

Hydroponics: The technique of grow plants and agricultural crops without so They are planted directly in water contain dissolved nutrients. The nutrition level, ligheat, moisture, carbon dioxide concention etc are controlled by devices like concentration. Sometimes plants are grown in soil bark based mixture. Hydroponics helps groing vegetables and flowers in unfavoural environment like desert, barren land etc. also known as aquaculture.

Hypertext: System of organising inlimation with links to other related documer

Hypnology: The study of sleep.

ichthyology: The study of fish.

Iconography: Teaching with aid of tures and models.

1conology: The study of symbolic repsentations.

Idolatry: Worship of idol as if it were guidolatry is a most common form of worship Hinduism whereas Islam and Christianity Phibit it.

Igloo: The shelter of Eskimo built by sno earth or stone.

Impeachment: Accusation and Prosestion of the Head of the state or high pub officials on serious charges like treason, wrordoing, crime, scandal, violation of constitution of

ion etc. In most of the countries the parlianent enjoys the power to impeach.

Imperial Conferences: Meetings beween British government and representaives of the self-governing dominions to disuss questions of common interest. Held beween 1907 and 1937.

Impressionism: French art movement hat flourished from the late 1860s to 1880s. Name derived from Monet's painting Impresion: Sunrise,

Impromptu: A speech delevered without previous preparation.

Inactive money (Idle money): That portion of the total stock of money or money upply (currency plus bank deposits) in existence at any one time which is not being used o finance current transactions or being lent out on the money market.

Inbreeding: Mating between closely reated individuals. Also, self fertilization in olants.

Income Tax: A tax levied on income. It is progressive in its effect.

inflation: A steep rise in prices with too nuch money in circulation and too little supply of goods and services. The cost-push and demand-pull factors are the main causes of inflation in an economy.

Information Science: The study of the systematic collection, storage, categorisation and retrieval of data in different formats especially in digital form.

Information Technology: A multi disciplinary subject involving the application of technologies like computer, communication and electronic publication.

Informercial: Advertisements in visual media which are blend of information and commercial

Infotalnment: Programmes in visual media that are informative but presented in an entertaining manner.

Inhibition: A behaviour which is marked by conscious or unconscious wish to avoid taking action because something unpleasant or immoral may happen.

Innuendo: Indirect or subtle implication, usually unpleasant. Eq. I will be delighted to attend his funeral.

Investment: Strictly defined, investment is expenditure on real capital goods. However, in everyday language, it is also taken to mean purchase of any asset, or indeed the undertaking of any commitment which involves an initial sacrifice followed by subsequent benefits.

Irony: Saying one thing but meaning the opposite. Eg. For Brutus is an honourable man (William Shakespeare).

ISDN: Abbreviation of Integrated Services Digital Network. Basically a way to move more data over existing regular phone lines. It is a digital communications platform capable to handle different types of information like computer data, text, picture, voice etc.

Ishihara Test: It is a method for testing color blindness.

Ital-Ital disease: a bone disease caused by industrial cadmium pollution of the food and water supply.

Ivy League: Group of eight prestigious universities in northeastern U.S.A. namely Harvard, Yale, Princeton, Columbia, Brown and Cornell universities, the University of Pennsylvania, and Dartmouth College. They are members of an athletic conference for intercollegiate football.

Joystick: A multidirectional pointing device used in computer mainly for playing computer games and computer aided data applications

Judicial Review: The power of the judiciary to review statutes or administrative acts and determine their constitutionality. In India any legislation can be subjected to judicial Review. In USA, the Supreme Court enjoys the power of Judicial Review. But in England, the judiciary has no power to review the laws made by Parliament

Juggernaut: The Idol of Lord Krishna at

the temple of Puri, Orissa, is dragged in procession in an enormous chariot at the annual car festival. It is now used to mean a large, powerful and overwhelming force or institution.

Jukebox: A machine which automatically plays selected records when coins are inserted. Optical or magnetic storage discs are used in this system and the machine chooses the relevant disc automatically on user's request.

Juvenile Delinquency: Crimes or breach of law committed by persons below the age of legal adulthood, 18 years in most countries. Offences by them are treated sympathetically and separately considering the fact that most of the juvenile delinquents are victims of childhood trauma or neglect. In most of the countries special courts and correctional institutions are established to handle juvenile delinquents.

Kaleidoscope: Asmall covered glass tube in which you can see beautiful colours and designs, it works on the principle of multiple reflection.

Ramikaxe: A type of Japanese pilots and aircrafts used for suicide missions during World War II. The kamikaze pilots were specially trained to dive aircrafts loaded with explosives to targets.

Kaolin: A type of fine white clay used in pharmacy for making ointments and for coating tablets

Karaoke: Recorded music of popular songs without the singer's voice or vocals. People use karaoke cds or vcds to accompany their own performance of a song. In Japanese Karaoke is an empty orchestra.

Kawasaki Disease: A type of disease commonly affecting children below 2 years. It is named after Tomisaku Kawasaki, who first described it. Prolonged high fever, redness of eyes, sore throat, cracked and bleeding lips, red rashes in body etcare the main symptoms. This will create damage to heart and eventually lead to death. Though it has occured worldwide, it is most common in Japan.

Keratectomy: The surgical removal of a part or all of the cornea.

Kharif: In India and Pakistan, a crop harvested at the end of autumn.

Kulak: The zamindar class in Russia. **Labour:** One of the primary factor production, 'labour' is the collective number given to the productive services embodishuman physical effort, skill, intellectual pers. etc.

Labour-intensive: A process or pro is called labour-intensive if it uses propor ately more labour in its production thar other factors of production.

Laissez-faire: The principle of non-invention of government in economic affi

Lamaism: Buddhism practised in 1 and Mongolia. It is also known as Tib Buddhism.

Lampoon: A piece of writing, podrawing etc. which criticises satirically an amusing way a famous person o organisation.

Land: Land is taken to mean not sit that part of the earth's surface not covere water but also all the free gifts of nature as minerals, soil fertility, etc.

Legal Tender: That which must be cepted in legal settlement of a money of

Letter of Credit: An order from a bar a bank abroad authorizing payment person named in the letter of a particular of money or upto a limit of a certain sur

Light Year: Distance travelled by lig one year - 9,4607 million million k.m.

Limnology: The study of freshwater Liposuction: Removal of the abno deposition of fatin a particular area of theb

Litotes: Anironical understatement inwan affirmative is expressed by the negative opposite. Eg. This is no small problem.

Lobbying: The practice of influencing members of legislatures by frequently visitheir lobby and by bribery, promise oward, intimidation or other dishonest me

Locus Standl: The right of a petitioner against a private, provisional order or hybrid bill or special procedure order to be heard upon his petition. A petitioner has locus standi when his interest is directly hit by the bill, if passed. It justifies the right to intervene or the right to be heard.

Long-run: In price theory, the long-run is defined as the time period long enough for the firm to be able to vary the quantities of all its factors of production rather than just some of them.

Lunar Eclipse: Passage of the Moon through the shadow cast by the Earth.

Lycos: A free text search engine developed by the Carnegie Mellon University in 1994.

Lysol: A general purpose disinfectant. It is most commonly used in laboratories for sterilising surgical instruments, floor and fumiture.

Lynching: Torture killing of victims by a violent mob. The term derived from Charles Lynch of Virginia, in USA, who was the leader of a self proclaimed court which punished supporters of Britain during the American war of Independence. Now the term is used to denote lynching associated with racist bigotry. Jews in Russia and Blacks in USA were lynched on racial grounds.

Machiavellian: Using clever and dishonest methods to deceive people in order to weild or maintain power or authority.

Mail Merge: The process of linking a document or letter with a required datafile in such a way that different people will get letters with appropriate details.

Malapropism: Wrong use of one word instead of another word because they sound similar to each other. It derives its name from a character Mrs. Malaprop in Sheridan's "Rivals". She misused words which sounded alike. Eq. It is a wolf in a cheap clothing. My sister has extra century perception.

Mainframe Computer: Fastest and high capacity computer with huge memory which permits a large number of users simultaneously.

Mandamus: Mandamus means We Command You'. It is a wnt of a most extensive nature, issued by Supreme Court or High Courts to enforce performance of public duties. It compels the concerned authority or officer to act in the discharge of the duties and trusts imposed upon them. While the Supreme Court issue this writ for the enforcement of any of the fundamental rights, the High Courts are empowered to issue it for any other purpose too.

Manicure: Cosmetic care and treatment of hands and finger nails, which involves cutting and sometimes painting of nails and softening of skin.

Marshal: An officer of the highest military rank or a military commander. An officer appointed to help the speaker of legislatures to maintain law and order.

Marsupial: A mammal whose young are born in an extremely immature state. It is grown by attaching itself to the nipples of its mother for the nourishing milk. In most of the marsupials, the nipples are located in a pouch called marsupium, Kangaroo, koala, opossum etc. are marsupials.

Masque: A form of entertainment combining dancing, drama, music and poetry with lavish sets and costumes. It was a popular entertainment in Europe and reached its climax in England in 1600's. It was presented to celebrate events like coronation, holiday, marriage and sometimes to honour royal guests.

Maverick: A person who thinks and acts in an independent and different way creating some peculiarity of his own.

Melodrama: Sensational dramatic piece with violent appeals to emotions

Mercator Map: The map projection named after Gerardus Mercator, the Flemish inventor, in which the globe is projected onto a cylinder. Mercator's first world map appeared in 1538.

Metaphor: Figure of speech used to describe one thing for indirectly conveying something in another field. It suggests a comparison without using the word 'like' or 'as'.

Meta Search Englne: An internet search enginewhich simultaneously search other search engines and combines the results from them.

Metrology: The scientific study of weights and measures.

Minamata Disease: Disease caused by mercury poisoning. Minamata is a city in Japan where a chemical plant had been dumping organic mercury for years. This toxic metal gradually get into the food chain and caused terrible paralytical diseases and genitic disorders in the local people.

Mistletoe: A plant that grows as a parasite on the trunks and branches of trees.

Mistress: A woman who provides sexual satisfaction and companionship to a man who is married or not. The relationship is normally long and the woman gets financial support and a place to live in return.

Mitre Square: a carpenter's square with a blade set at 45° or at an adjustable angle.

Mixed Economy: An economy which contains elements of both private and state enterprise.

MODEM: A device linking a computer system and a telephone line so that data can be transmitted at high speeds from one computer to another. A MODEM converts analog data to digital and vice versa. The word MODEM was coined by combining Modulator and Demodulator.

Money Market: The financial institutions that deal in short-term securities and loans. gold and foreign exchange.

Mongolism: Acongenital defect (also called Down's syndrome) in which 'a child is mentally retarded and has slanted eyes, a broad short face, weak muscles and stubby fingers.

Monopoly: A market situation in which a single seller controls the entire output of a particular good or service.

Monopsony: The situation in which there is only a single buyer in a market.

Montage: The art of forming patterns by collation of different elements. In film, it is a technique of editing to emphasize a point by either juxtaposing different images or showing contrasting scenes in sequence.

Moore's Law: Alaw based on the prediction by Gordon Moore, Intel Corporation's co-founder. In 1965 Moore predicted that the number of transistors per chip would double every year for the next ten years. It was proved very accurate and became popular as Moore's Law.

Moratorium: Temporarily stopping of an activity or postponement of the time for payment of debts or financial obligations.

Morphology: The science that deals with form and structure without regard to function.

Motherboard: Printed circuit board used in computer. It contains the central processing unit, other processors, device controllers and expansion slots.

Mother's Day: The second Sunday of May in the USA, when mothers are remembered.

Mustard gas: Dichlorodiethyl sulphide an oily liquid that has been used as a 'war gas'.

Mycology: The study of fungi and funaus diseases.

Myology: The study of muscles.

Myopia: A visual defect in which a person can see nearby objects clearly, but distant vision is blurred. It is also called shortsightedness.

Myrmecology: The study of ants.

Mysticism: Attainment of knowledge beyond sensory perception and the unification of mind with the ultimate truth. Mystics are detached from the physical world and engaged in study and contemplation. Hinduism and Buddhism were the earliest religions in the world to develop and practice mysticism.

Nanotechnology: The science which aims to create molecule based computer chips and other devices that are thousands of times smaller than the existing technologies.

Narrowcasting: Producing and disseminating programmes for a specialised audience.

National Debt: The total outstanding borrowing of the central government exchequer.

National income: A measure of the money value of the total flow of goods and services produced in an economy over a specified period of time.

Nativity Play: a play which tells the story of lesus Christ.

Natural Gas: Gas found underground. It is used as a fuel.

Natural Wastage: reducing the number of workers by not replacing those who leave the organisation.

Net domestic Product: Gross domestic product less depreciation.

Netiquette: The etiquette rules applicable to messages posted in online services especially in internet news groups. It helps to maintain civility and adherence to electronic rules relevant to mail communication in the internet.

Netizen: A new term coined by linking the terms Internet and Citizen. In the modern age of information technology, any citizen who regularly uses the internet can be called a Netizen.

Newspeak: Use of deceptive talk by government officials and others in order to influence public opinion.

Nickelodeon: Juke box or a machine which automatically plays a selected music when a coin is inserted.

Nomology: The study of law-making or scientific laws.

Nosography: The systematic description of diseases.

Nosology: The study of classification of diseases.

Nova: Star that suddenly flares up to many

times its normal brilliancies and then fades back to obscurity.

Numerology: The study of numbers. study of the date and year of one's birth to determine their influence on one's future life.

Nystagmus: Persistent involuntary movements of the eyes.

Obesity: The condition of being overweight due to excess accumulation of fat in the body.

Oenology: The study of wines.

Oligopoly: A type of market in which there is a relatively high degree of concentration, i.e. a small number of firms account for a large proportion of output, employment, etc.

Oneirology: The study of dreams.

Oology: The study of eggs.

Open Market Operation: The purchase or sale of securities by the central bank to influence the supply of funds in the capital market, and so interest rates and the volume of credit

Optical Character Recognition: The technique of converting text from paper to a form which computer can use and manipulate such as ASCII codes. Images from pages of books, magazines, newspapers etc can be converted using OCR and fed directly into a computer file.

Optical Scanner: A type of scanner which can read printed text or illustrations and convert the same into a form the computer can use.

Orange Day (Orangeman's Day): July 12, a public holiday in N. Ireland. Protestants celebrate it as the anniversary of the battles of the Boyne and of Aughrim, both in the 17th century.

Orlgaml: The art of folding paper into different patterns and decorative objects. It was originated in China but later flourished and became a popular art form in Japan. Tiect spelling

Orthography: The art

Osteomalacia: Solic cause of a deficiency of vi

Outsourcing: The s

information technology related jobs like translation, trascription, digitisation, data conversion, software development, call centre services etc to outside agencies. The work may be done by agencies within the country or outside.

Oxford Movement: A movement within the Church of England that sought to link the Anglican Church more closely to the Roman Catholic Church. Originated at Oxford University in 1833.

Oxymoron: Figure of speech in which opposites are combined for effect. Eq. His honour rooted in dishonour and faith unfaithful kept him falsely true (Alfred Lord Tennyson).

P/E Ratio: Price/earning ratio of a company, is calculated by dividing the market price per share by the earnings per share of the company.

Pacemaker: An electrical device powered by a battery, used by people with certain heart diseases which prevent the heart from beating regularly. The pacemaker sends out electrical impulses which give a regular heartbeat

Paedophilla: Sexual desire of an adult, usually a male, towards a child.

Palindrome: Word or group of words that reads the same backwards as forwards. The longest word among palindromes is 'Malayalam'. Refer, level, madametc. are also palindromes.

Paradox: a situation, fact or statement which seems difficult to understand because it contains two opposite facts or characteristics. Eg. I am a lier. A Roman said, all Romans are liers.

Parapraxis: Psychological term denoting a blunder, fault, slip of tongue, lapse of memory or misplacement of an article.

Patent Log (also called screw log, taffrall log): Instrument that helps measure the speed of and distance travelled by a vessel.

Pedicure: Cosmetic care and treatment of feet which involves cutting and sometimes painting of nails and softening of skin.

Penology: Study of punishment a prison management.

Per capita income: The total inco. a group divided by the number of peo the group.

Personal property: (Legal) Temp or movable property as distinguished real property.

Peter's Map: Projection or map ma Arno Peters, which has equal areas and representation, and shows countries in relative sizes.

PG: (Parental Guidance) Film rating ed lent to the former 'A' rating.

PH: (potential of Hydrogen) a star measure of the alkalinity or acidity of any

Phthlslology: The scientific study berculosis.

Phycology: The study of algae.

Physiognomy: The art of judging ch ter from physical appearance, especiall

Platonic: Relationship or emotion v is very affectionate but not sexual.

Play Therapy: A method of treat which utilizes the child's play as a mediu expression and communication between patient and therapist.

Pleta: Painting or sculpture showing dead Christ in the lap of the Virgin Ma

Plagiarism: The act of illegally co. and using another person's writings, inventions etc. and presenting it as own.

Pomology: The science that deals fruits and fruit growing.

Pornography: Writing, painting, or tography describing sex in such away to a basic instincts and excite impressionable n

It is intended only to arouse sexual desir

normally have no artistic value. Portfolio: The collection of securitie by an investor.

Pool: An American form of billiardsp on a table 1.4 x 2.7 m. with six pocket

Price: The quantity of money which must be exchanged for one unit of a good or service.

Primary Colours: The colours from which all other colours are made up. These are blue. yellow and red.

Privy Purse: Allowance from the public revenue for the private or personal use of the monarch or the sovereign. In India a sum was fixed by the government for the expenses of the former rulers of erstwhile Indian states and their families. This was abolished in 1971.

Proportional Representation: An electoral system designed to secure the representation of parties proportionate to their voting strength. This system is deliberately designed to ensure representation of all political sections.

Proportional Tax: A tax which is levied at the same rate, at all income levels.

Pseudonym: A name which a person such as a writer uses instead of their real name especially on their work.

Quisling: Traitor, ie, a person who helps the enemy that has taken control of his country.

Rabl: A crop harvested in India and Pakistan at the beginning of spring.

Radio Astronomy: The study of heavenly bodies by the reception and analysis of the radio frequency electro-magnetic radiations which they emit or reflect.

Radiobiology: The branch of biology which deals with the elfects of radiations on living organisms.

Realism: A term used with reference to a form of literature depicting actual life and representing universal human passions.

Recession: A downturn in the business cycle characterized by two successive quarters of negative rates of growth in the real GNP.

Recortadores Bullflight: Bullflight in which the men try to dodge bulls without cape or sword. The animals are not killed in this ancient tradition.

Rehydration Therapy: A type of treatment for dehydration by giving fluids with salt and glucose.

Renal Fallure: The reduction of ability of the kidneys to filter waste from the blood and excrete those in urine.

Rhesus (Rh) Factor: A complex substance present on the surface of red blood cells in most people.. People with the Rh factor are described as Rh-positive and those without Rh-negative.

Romanticism: The term is characterised by the qualities of remoteness, resolution. disillusionment, passion, divine unrest, meloncholy, idealization and all embrazing power of the imagination.

Robotics: The study of artificial intelligence and robot construction.

Routing: It is a crucial process in internet by which 'packet' of data is moved from source to destination.

Sanskritisation: Process in which people of a lower caste change their customs, rituals, ideology and way of life in the direction of the high class.

Schlzophrenia: A severe form of psychosis characterised by mental disorders and behavioural eccentricities like introversion, disassociation, inability to distinguish reality from unreality, delusions etc.

Selenology: The scientific study of moon, its nature, origin, movements, etc.

Semelology: The study of signs or sign language.

Services: Consumer or product goods which are mainly intangible and often consumed at the same time as they are produced.

'Shangri La' Dialogue: Annual dialogue in Singapore on Asian secunty, sponsored by the International Institute of Strategic studies, London.

Short-run: A time period lirm is not able to vary all its f. tion.

Silent Majority: A group, held to represent the majority of a population, that doesn't normally express its views but is taken to support the status quo.

silicon Valley: Santa Clara Valley region of Northern California in USA. This area became popular worldwide due to its high concentration of microprocessor technology based industries and institutions.

Silicosis: A lung disease caused by inhaling silica dust. It usually affects miners, steel foundry workers, sandblasters, rock drillers etc.

Simile: Figure of speech in which one thing is compared to another, usually with the word like or as. Eg. When the evening is spreadout against the sky like patient ethensed upon a table. (T.S.Eliot, the love song of J. Alfred Prufrock).

Sin Bin: A place for players, to wait at the side of a playing area where they have been sent off temporarily for breaking some rules.

Sixth Sense: a power of perception thought of as a sense in addition to the five senses. It is intuitive power.

Soft-currency: A currency whose exchange rate is tending to fall because of persistent balance of payments deficits or because of the building up of speculative selling of the currency in expectation of a change in its exchange rate.

Soft Diet: Easily digestible solid diet having minimum residue.

Soft-loan: Aloan bearing either no rate of Interest or an interest rate which is below the true cost of the capital lent.

Solar Ecilpse: Blotting out of the Sun by the Moon, to that the Moon is directly between the Earth and the Sun.

Sonnet: A poem of 14 lines, arranged in a particular pattern of rhyme, each line having normally 10 syllables.

Specie Points: The limits between which the exchange rate between two currencies on the gold standard fluctuates.

Speculation: Buying and selling with a view to buying and selling at a profit later when prices have changed.

Spelology: The study of caves.

Spoonerism: Ludicrous involuntary transposition of sounds of spoken words such as "snowing leopard" for "loving Shepherd".

St George's Cross: A red cross on a white backdrop, used as the flag of England.

St John's Wort: Any of the several shrubs usually having yellow five petalled flowers. These flowers are believed to bloom on the twenty fourth of June, on the feast of St. John the Baptist.

St. Agnes Eve: The night of the twentieth of January, It is traditionally believed that girls going to bed in this day after following certain rites may dream her future husband.

St. Anthony's Fire: A common name for an inflamed skin condition once thought to be Erysipelas, but now known to be a symptom of ergotism.

St. Bernard's Dog: A type of big dog with broad head and large feet, orange-brown and white in look. It was originally used to find and rescue travellers trapped in mountain snow in the St. Bernard passes in the Alps.

St. Elmo's Fire: An electrical discharge that creates a glow around the tip of a church spire, ship's mast etc, especially in bad weather.

St. Swithin's Day: The feast day of Saint Swithin, former Bishop of Winchester on July 15. It is believed that, if it rains on this day it will rain for 40 days and if it doesn't, the next 40 days would be dry.

St. Vitus's Dance: A type of nervous disorder that causes rapid involuntary movements of limbs or facial muscles.

Straight Time: The number of working hours fixed as a standard for a given work period.

Sulphonamides: Agroup of drugs, which when they were introduced in the 1930's provided the first effective treatment for a number of bacterial diseases.

Superglant: The largest and most luminous type of star.

Tall Poppy Syndrome: A malicious tendency to tamish those who are successful in life.

Tapestry: The art of creating patterns or pictures by sewing or weaving dilferent coloured threads on a special thick hand woven fabric.

Tautology: The unnecessary and often unintentional use of two words to express the same meaning.

Tax Avoldance: Arranging one's financial alfairs within the law so as to minimize taxation liabilities.

Tax Evasion: Failing to meet actual tax liabilities.

Teleology: The doctrine or belief that everything, every development and event, has a special purpose or use.

Televangelism: The preaching of evangelism on Television for religious propagation or raising money for religious purposes.

Tennis elbow: A condition caused by inflammation around the epicondyle on the outer side of the elbow which results in pain and tenderness.

Terms of Trade: The ratio of the index of export prices to the index of import prices.

Thalldomide: A drug which was earlier used to help people relax or sleep, which was later found to cause genetic deformities. It creates damage to babies inside the womb by stopping the development of their arms and legs, when it is taken by their mothers.

Tomboy: a girl who dresses like a boy, and likes physical activities that boys usually indulge in.

Tongue-twister: a phrase or sentence that is intended to be difficult to say, especially when repeated quickly.

Toplary: The art of cutting and trimming of bushes into attractive and ornamental shapes like animals and birds.

Totalitarianism: Political system which

totally controls every aspect of life in a given society.

Tourette's Syndrome: A rare disease affecting the brain in which the patient swears, makes noises and moves in a way that they can't control.

Toxicology: The scientific study of the nature and effects of poisons, their detection and treatment.

Trade cycle: Regular oscillations in the level of business activity over a period of year.

Tragedy: In literature tragedy denotes a play with a sad or tragic end.

Trigonometry: Abranch of Mathematics dealing with relationship between the angles and sides of triangles. Practically this is applied in measuring the height of buildings, mountains etc.

Trilogy: A set of three related works by the same author.

Truck system: System in which wages are paid in goods or kind rather than money.

Tug-of-love: a situation in which one of the separated parents of a child takes cure of the child, and the other parent claims the right to keep the child.

Type A personality: The state of mind and behaviour characterised by excessive drive, competitiveness, sense of time urgency, impatience, unrealistic ambition etc.

Ugly Duckling: A person or thing thought to be worthless at the first instance but later turns to be outstandingly beautiful or highly valued.

Uplink: Transmission link between an earth station and a satellite.

Upload: Transferring data or program from a computer to the server in the network.

URL: It is a universally accepted system followed in naming a website in the Internet. eg. http://www.manoramaonline.com. URL is the abbreviation of Uniform Resource Locator.

USB: Abbreviation of Universal Senal Bus which denotes a standard followed in connecting external devices like mouse, modern, key-

d etc. to the computer hardware. This rusers to easily add new devices to the ing system without an adapter card or shut

tility: The satisfaction, pleasure or fulfillt of needs derived from consuming some ntity of a good.

alentine's Day: Afestival of romance and tion, celebrated worldwide on February an occasion to send special greetings to thearts or other loved ones.

entrilogulsm: The art of producing e sounds so that they seem to come from freent source or place at distance from speaker.

'ernacular Press: Also called Language is it denotes media products like newspais and magazines published in a native guage. It is a derogatory term first used the British to differentiate the English ispapers and magazines from those of ian languages which they considered inpr.

/erruca: Medical term for a wart, a small wth formed on the skin and caused by a

/ideo Conferencing: Technology in

ch video, audio and computer signals in different locations are linked in such a plant different people can see and interact the same time, as if in a conference room. TOL (vertical take-off and landing): xed-wing aeroplane that can take off and d without using a runway.

Natermark: A design applied to paper an it is made. It can be seen by holding the er up to the light. Currency notes and tage stamps carry a watermark to prevent lery.

Vealth: The wealth of an individual is his if stock of tangible or intangible possessis which have a market value.

Vebsite: A place where information is t in the internet. Websites are created in Server computer of the Internet and each website have a unique address called URL. (see URL)

Westeriles: The chief winds blowing between 30° and 70° latitude.

Wolf Syndrome: A disorder with symptoms of mental retardation, hypotonia, cleftlip and coloboma. This is caused by the partial deletion of short arm of chromosome - 4.

WWW: Abbreviation of World Wide Web. It is a set of protocols that give interactive access to the huge content of Internet to its users. Information in the internet is linked by a software technique called hypertext.

Xanadu: A concept first visualised by Theodor Holm Nelson to integrate all the library collections and databases worldwide into a single digital system. Conceived in 1970's, first it was considered as an utopian idea, but with the origin of internet, the concept has been realised partially.

X-ray stars: Stars that emit x-rays, discovered by instruments carried outside the Earth's atmosphere by space probes.

Yahoo: An index based popular search engine in the internet. It uses hierarchical indexes of contents on the World Wide Web.

Yellow Journalism: That type of journalism which is sensational, scandalous, slanderous and scurrilous. The term derived from a popular comic strip, 'The Yellow Kid'.

Yom Kippur: It is a Jewish holiday - the day when sins are confessed and explated and man and God are reconciled.

Zeugma: Using the same word, in different senses, to govern two or more other words. Eg. Hetookhis leave and my umbrella.

Zero Hour: The time set for the beginning of an attack or other military operation; any crucial or decisive moment.

Ziggurat: Pyramidical tower in ancient Mesopotamia, surmounted by a temple and with stages or a continuous ramp to the top.

Zoogeography: The study of the distribution of animals on the surface of the globe

इस्प्रीवस्वरव व्यासीत प्रावसी

Explorers gave us the world as we see it to day. The following list reflects the contributions of the most illustrious explorers whose purneys into the unknown opened up new worlds for us. The achievements of man in pace in the 20th century are included, along with the exploits of the adventurous men of arlier times who were often partonised by ings, or driven by sheer spirit of adventure. very expedition is a saga of courage to venure out into the unknown.

l. Abel Janszoon Tasman

Tasmania reminds us of Tasman. The Dutch navigator, commissioned by Anthony I'an Diemen (1642) to explore the South Iacific and to find a route to Chile, sighted Iasmanla. He called it St. Van Diemen's Land In honour of his patron. The name changed to Tasmania in 1856. His other discoveries included Tonga and Fiji. A section of the SW Iacific Ocean lying between Australia and Iasmania on the west and New Zealand on the east is called Tasman Sea. A later voyage took Tasman to the Gulf of Carpentaria. In spite of the fact that he circumnavigated the continent, Tasman didn't sight the Australian mainland coast.

2. Alexander Mackenzle

Mackenzie, a fur trader turned explorer, was a Canadian born in Scotland. He explored the icy interior of North Canada, and became the first European to reach the Pacific by an overland route. Searching for a oute to the Pacific, he followed the river now named after him to the Arctic Ocean (1789). Mackenzie is the longest river in Canada. Later he discovered the River Fraser.

3. Amerigo Vespucci

Florence-born Italian explorer, Vespucci promoted a voyage to the New World in the track of Christopher Columbus who kindled his interest in exploration. Vespucci who explored the coast of Venezuela claimed he first sighted South America in 1497, a year before Columbus. He discovered the mouth of the river Amazon during a Spanish expedition with navigator Alonso Ojeda. Vespucci took part in an exploration of the Atlantic coastline of South America. It was a few years later that Vespucci was convinced that America was a separate continent. The name America comes from Amerigo Vespucci.

4. Bartolomeu Dias

In 1487, King John II of Portugal gave command of three ships to 37-year-old Bartolomeu Dias. Dias set out on an expedition to explore the coast of Africa; landed at Mosselbaai about 320 km. east of what is now called the Cape of Good Hope. Dias had been blown by a storm at the Cape which he named the 'Cape of Storms'. He later helped plan Vasco da Gama's successful voyage to India. In 1499, Dias accompanied Cabral on a voyage to Brazil. Dias was drowned near the Cape during this journey.

5. Christopher Columbus

Columbus is the Italian explorer credited with the discovery of America. His transatlantic voyages paved the way for the colonization of America. When he was sent by the King of Spain across the Atlantic with three ships, his festination was Asia but he real inghe had reac.

inhabitants 'Indians'. He then sailed around the Caribbean and returned to Spain in 1493. On his second voyage with 17 ships, he founded La Isabela, the first European town in the New World. The third voyage took him to South America. Columbus' discoveries were to help in building up the Spanish empire in America.

6. David Livingstone

He was an unusual type of explorer. He studied theology and medicine and became a missionary doctor. He chose Africa for investigation and exploration. Livingstone was the first European to reach Lake Ngami in 1849 and the first to reach Luanda from the interior in 1854. One of his greatest achievements was the discovery of Victoria Falls in 1855. Lakes Mweru and Bangweulu were his discoveries too. He wasn't successful in finding the source of the Nile. Livingstone is remembered for his account of the journey from Angola to Mozambique.

7. Erik the Red

He belongs to the 10th century. His name has a place in history as the founder of the first European settlement on Greenland. Born in Norway, the Viking sailor (original name: Erik Thorvaldson) grew up in Iceland. Having found Greenland, which he named so in order to attract settlers, efforts were made by him to get a few families to set up a Viking colony. He led an expedition of 25 ships, and by 1000 A.D., the settlers numbered about 1000. The settlement at Brattahlid was the first. The colony was a victim to diseases and this led to its decay. The other Norse settlements had better luck.

Erik the Red had an illustrious son in Lief who came to be known as Leif Ericson the Lucky, the Norse discoverer of America, possibly the first European to reach N. America. He seems to have landed at Nova Scotia, which he called Vinland after the vines growing there.

8. Ferdinand Magellan

Magellan from Portugal, undertook many expeditions to India and Africa between 1505 and 1516. In September 1519, he set out with five ships — Trinidad, Magellan's flagship, San Antonio, Concepcion, Victoria and Santiago

- crewed by 250 men. After crossing Brazil, he sailed through the strait that separates South America from Tierra del Feugo - now named after him. There was tragedy at Mananas Islands. The local



tribesmen attacked the explorers and Magellan was killed. Eventually only one ship, the Victoria, reached Europe in 1522. Juan Sebastian del Cano, captain of the Victoria thus completed the first circumnavigation of the world. Ferdinand Magellan, after sailing through the stormy Straits of Magellan, found calmer waters and decided to name it Pacific Ocean meaning peaceful. Two small irregular galaxies known as Magellanic clouds were first recorded by Magellan in 1519.

9. Francis Drake

Drake is remembered as the first Englishman to circumnavigate the world (1580); and the vice admiral of the fleet which destroyed the Spanish Armada (1588). He made his first trading expeditions to Guinea and the West Indies. He was noted for his plundering raids. The monarch commissioned Drake to a voyage to the South Pacific via South America. He sailed to the West African coast, and crossed over to Brazil in 1578. His flagship 'Golden Hind' made its way through the Strait of Magellan. The successful seaman made the queen happy by returning after the trips that took him to the Philippines and around the Cape of Good Hope, laden with treasure. His fame was immense by the time he died of fever during a voyage to the West Indies.

10. Fridtjof Nansen

This Norwegian explorer who did a pioneering crossing of Greenland in 1888 and led an expedition to the North Pole did something unusual - he designed a ship that would withstand ice, hoping to take the ship to the North Pole. The ship crossed the Arctic Ocean in the ice undamaged but didn't succeed in reaching the Pole. Nansen tried to reach his destination with skis and kayaks, but without success. His reaching the farthest northern latitude in 1895 was a record.

Nansen was a statesman too. He was Norway's first minister to Britain and head of the country's delegation to the League of Nations, in which he was the high commissioner for refugees. In 1922 Nansen won the Nobel Prize for Peace. He is remembered for the Nansen Passport, an identification for displaced persons.

11. Henry Hudson

The British maritime explorer for whom Hudson River was named. He was the first European to sail up the river. He cruised along this river in his search of the Northeast Passage in his ship 'Half Moon'. His discoveries were largely responsible for the Dutch colonisation of the Hudson River and for the English presence in Canada. Hudson Bay is the world's largest inland sea, connected to the Atlantic Ocean by the Hudson Strait. Hudson explored the bay in 1610. A man who is remembered for several achievements had a sad end. His mutinous crew set him adrilt to die in an open boat.

12. Henry Morton Stanley

Originally John Rowlands. He was born in Wales, but migrated to USA in 1859. Stanley as an explorer is associated with the discovery of central Africa. His travels were centred around the search for David Livingston, the British explorer whose whereabouts remained mysterious since he went to Africa in 1866. He was commissioned by the New York Her-

ald for this job. He made a stop in Egypt Then he went to Zanzibar. He found Livingstone on Nov. 10, 1871 at Ujiji on Lake Tanganyika. His words, "Dr. Livingstone, i presume" on meeting the missing explored are famous. The two explored Lake

Stanley did further explorations for Belgian King Leopold II in the 1880s. He went along the Lualaba River and travelled down the Congo River.

He created Congo Free State in central Africa. In 1888, he escorted Mehmed Emin Pasha who was in trouble. Stanley's famous works are Through the Dark Continent and In Darkest Africa.

13. Hernando de Soto

Tanganyika together.

A Spanish explorer who is known as the first White man to cross the Mississippi. He led his expedition to Darien in Panama in 1519. In 1528 he explored the coasts of Central America and accompanied Pizarro to Peru in 1530 taking part in the conquest of the Incas. In 1538 he landed in Florida with 600 men and marched northwards looking for gold. That is how he came to the Mississippi. Soto died on the return journey.

14. Hieun Tsang

A Buddhist monk who travelled to India in the 7th century, to study Buddhism. Setung out from China on a 16-year journey, he covered a distance of 64,000 km going as far as the edge of the Gobi Desert in Central Asia, eastwards as far as Samarkand, and then turned south to cross the Mountains of the Hindu Kush into India. When he returned to China, the Emperor asked him to write an account of his travels which he did in an admirable manner.

15. Ibn Battuta

Born in the 14th century in Morocco, Battuta is estimated to be edied 120,000 km. in four expectat on foot. His travels took him to Mecca, th Africa, the Red Sea, Persia, Kenya, Tana, Egypt, Syria, Palestine, Russia, Afghaniı and India. An interesting point in uta's life came in 1333, when he was le the ambassador to China by the Sulof Delhi. Battuta was the greatest of all lim explorers.

. James Cook

he credit for finding and charting all of v Zealand and exploring the eastern st of Australia goes to James Cook, the on, who is known as Captain Cook. He a navigator and cartographer who led expeditions to the Pacific, In the first the studied the economic potential of th Pacific. In the second, he charted ch of the Southern Hemisphere and cirnnavigated Antarctica. His ship 'Resolui', was accompanied by the 'Adventurer'. ok found New Caledonia, the South idwich Islands, and South Georgia Isd. The group of 15 islands in the southst Pacific Ocean discovered by him are led Cook Islands. Cook is remembered conquering scurvy during the voyage providing fresh vegetables for his crew. his third voyage, Cook discovered the waiian Islands but there his end came. was killed in a quarrel with Hawaiians.

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19. Marco Polo

Marco Polo was a Venetian traveller, who inspired people to explore thus becoming instrumental in the

growth of Venice as a centre of international trade. In 1274, he joined his father and uncle in trading expeditions to Cathay (China) in 1271; stayed for 24 years under the patronage of



Kublai Khan, the Mongol ruler of Cathay, who sent Marco on a series of journeys to India, Burma, Ceylon and south east Asia. Marco Polo returned to Venice in 1295. His account "The Description of the World" became an important source of European knowledge of China for many years to come.

20. Martin Frobisher

After a number of years as a 'privateer', Frobisher, who explored the Arctic Ocean for England, made three attempts to discover the Northeast Passage. Only one (the "Gabriel") of his three ships managed to survive storms and Atlantic waves. He sighted Baffin Island, the largest island in Canada and the third largest in the world. The Frobisher Bay is named after him. When Frobisher returned, he carried with him samples of some black rock which were believed to contain gold. This turned out to be rock of no value. Frobisher's credibility was shattered. He later joined Francis Drake's expedition to the West Indies. He also played a role in the campaign against Spain for which he was knighted.

21. Nell Armstrong

US astronaut Neil Armstrong has a place in istory. He was the first man to set foot on the noon. A Navy pilot during the Korean War, imstrong was chosen as a NASA astronaut in



1962, and was the command pilot of Gemini 8. in 1966. In July 1969, when the Apollo 11 mission successfully landed on the moon, Amstrong took his first step on the moon. with the historic words, "one small step for a man,

ne giant leap for mankind!' Edwin Aldrin (b. 930), joined him 19 minutes later. They walked in the moon, took pictures and collected rock amples. The third crew member Michael Collins tayed in the command module.

22. Nils Nordenskjold

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23. Pedro Alvares Cabral

The man who discovered Brazil, This Poruguese navigator was sent by Manuel I of ortugation an expedition in 1500 to the East ndies on the route pioneered by Vasco da Jama. There were 13 ships in this second 'ortuguese Voyage to India. It was on April 22, 1500 that Cabral landed on the coast of what is now Brazil, Cabral went farther into he east and landed at Mozambique. On eaching Calicut, he established the first comnercial treaty between India and Portugal. his return journey was beset with problems, only four ships reached Portugal in 1501.

24. Polyblus

A Greek historian and explorer who wrote the history of the Roman empire. He travelled to Asia Minor, Egypt, Italy, France and Spain. He was present at the destruction of Carthage in 146 B.C.

25. Roald Amundsen

This Norwegian explorer is the first person ever to reach the South Pole (14 December 1911). He was the first to sail the Northwest Passage between 1903-1906 and one of the first two explorers to fly over the North Pole. He circled the Pole twice in an airship along with Italian explorer Umberto Nobilein in 1926. Amundsen's expedition at the South Pole completed humankind's mastery of the outer limits of the globe.

26. Robert Edwin Peary

US naval officer who became a well-known Arctic explorer was the first explorer to reach the North Pole. He made several trips to Greenland. The first of his five expeditions towards the North Pole was undertaken in 1893. Peary and his team claimed to have reached the North Pole on April 6, 1909.

27. Sebastian Cabot

Son of John Cabot, he served both English and Spanish Kings. This navigator and cartographer was put in charge of a Spanish expedition in 1525. The journey to South Amenta didn't yield much. Under the British monarch, he undertook an expedition in the search for a northeast passage from Europe to the Onent.

28. Sir Walter Raleigh

Raleigh who organised British expectations for Oueen Elizabeth I to North America was a scidier, explorer and writer. He fought in France and against Spain. When King James I came to power, he was imprisoned for writing the book History of the World. Exploration was his forte. He was released to lead a team to Council in

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tuguese settlers had been killed. King of Portugal avenged these. Gama's mission ended in Portuguese supremacy in the Eastern spice trade. Gama became the Portuguese viceroy in India in 1524, but he died shortly after arriving in Goa.

30. Yuri Gagarin

The Russian cosmonaut who became the first man ever to travel in space, on 12 April, 1961. He orbited the earth

1961. He orbited the earth aboard Vostok 1 for 89 minutes, 302 km from its surface, strapped to his seat for the whole of his journey before landing salely. Gagarin became a hero overnight. He



never went on a space trip again. He was killed in 1968 in an accident on a routine training flight.

One refution Regulo Relynesia.

nis is the story of a young Norwegian lologist who led a unique expedition in 7, drawing inspiration from legends.

nor Heyerdahl built a balsawood raft 'the -Tiki' and sailed from the Pacific coast of th America to Polynesia to show that the Incan inhabitants of Peru might have rated to Polynesia.

the young Nowegian was in the quesas, an island chain in the Pacific, in he noticed that the winds and sea ys flowed from the east. He had heard stories - one was a local legend about e, bearded ancestors who came from east. The other was a Peruvian tale about ite chieftain who escaped a massacre by ig in a balswood raft to the west.

eyerdahl began to work on the two. He thought perhaps the Pacific islands been peopled by South American exers, and not by sailors from Indonesia. adventurer in him wanted to test this ry. He built a raft, and was joined by five panions. The raft was 45 foot long. It named Kon-Tiki for the chieltain he

believed had led the Pacific migration in AD 500.

Kon-Tiki covered about 4,300 miles. It broke up on a reef in the Tuamotu Archipelago. On the 101st day, the Heyerdahl team hit the headlines. The trip was the subject of his best-selling 'Kon-Tiki' published in 1950.

The year 1969 saw Heyerdahl sailing a reconstruction of an ancient reed boat 'the Ra' from Morocco to the Caribbean. He was trying to demonstrate that Mediterranean peoples could have preceded Columbus to the New World.

Tigris' was his next adventure. He took the reed craft in 1977 from the Tigris river in Iraq across the Arabian Sea to Pakistan and back to the Red Sea. He claimed that two-way trading journeys could have spread the Sumerian culture to the east.

Though Heyerdahl became a hero, academics were not prepared to accept his theories. Experts did, however, acknowledge that a migration from the West was possible.

लिए क्यारिवाधिक्योणी

ndia became independent on Aug. 15, 1947. The Constitution came into force on Jan. 26, 1950. It provided for direct election to Lok Sabha and State Legislative Assemblies on the basis of adult franchise. The First General Election for the

Lok Sabha was held from Oct. 25, 19 to Feb. 21, 1952. Fourteen general el tions (1951-52, 1957, 1962, 1967, 19 1977,1980, 1984-85, 1989, 1991, 19 1998, 1999, 2004) have been held far.

Lok Sabha	Dates of General Elections	Seats	Candidates	Polling
First	1951 Oct. 25 to 1952 Feb.21	489	1874	44.87
Second	1957 Feb. 24 to March 14	494	1519	45.44
Third	1962 Feb. 16 to 25	494 -497	1985	55.42
Fourth	1967 Feb. 15 to 25	520	2369	61.04
Fifth	1971 March 01 to 10	518 -522	2784	55.27
Sixth	1977 March 16, 18, 19, 20	542	2439	60.49
Seventh	1980 Jan. 03, 06	542	4629	56.92
Eighth	1984 Dec. 24, 27, 28 -			
•	1985 Sept.25, Dec.16	542 -543	5492	64 CT
Ninth	1989 Nov. 22,24, 26	543	6160	é1 95
Tenth	1991 May 20,			
	June 06,08,12,15,22	543	8780	55.71
Eleventh	1996 April 27, May 02,07,23,30	543	13952	57 94
Twelfth	1998 Feb.07,16,22	543	4750	ó1 97
Thirteenth	1999 Sept. 05, 11,18,25 Oct.03	543	4643	59.99
Fourteenth	2004 April 20, 26 May 05,10	543	5435	58.07

First Lok Sabha (1952 - 1957)

West Bengal Chief Secretary Sukumar Sen was appointed as the Election Commissioner. He formulated a viable electioneering system for Indian electors, more than half of them illiterates. Raja Anand Chand was the first elected candidate in the Lok Sabha election. He was declared elected

unopposed from the part C state of 8-44.

He was victorious even before as 3-44.

was cast in the election. 1874.

contested for 489 seats and 1874.

were elected unopposed the election bagging 3-47.

second largest part.

General Election - 195	1	Idator	Valid
Party		ldates Won	Votes %
	Contested	AAGU	4002 70
National Parties		_	3.06
I , B S	94	3	0.02
2. BPI	1	0	3.29
3. CPI	49	16	
4. FBL (MG)	22	1	0.91
S. FBL (RG)	6	0	0.13
6. HMS	31	4	0.95
7. INC	479	364	44.99
8. KLP	29	1	1.41
9. KMPP	145	9	5.79
10. RCPI	2	0	0.06
11. RRP	61	3	1.97
12. RSP	9	3	0.44
13. SCF	35	2	2.38
14. SP	254	12	10.59
Total National Parties	1217	418	76.00
State Parties	124	34	8.10
Independents	533	37	- 15.90
Grand Total	1874	489	•
Duran & Almine Donadle facco	hardel N(+h, /12 05 1052)	- 17 04 1067	\
Prime Minister: Pandit Jawa Date of first sitting after	nanai Neinu (13.03.1332 i	.0 17.04.1337	,
constitution	: 13.05.1952		
Date of dissolution	: 04.04.1957		
Speakers:		! /1 C OC 1	06210 27 02 1956)
speakers:	Ganesh Vasudev Mavala		
Donute Constant	M. Ananthasayanan Ay		
Deputy Speakers	: M.Ananthasayanam Ay		
Leader of the House	Sardar Hukkum Singh	•	
	: Pandit Jawaharlal Nehr		
Lok Sabha Secretary Gener		rull term of th	e Lok Sabna)
Women members	: 23		
Life Span	: 178B days		
Number of sessions held	: 14		

: introduced: 274, Passed: 319 (Private memebers bills) : introduced: 135, Passed: 7

: 677

Second Lok Sabha (1957-1962)

Dates of Elections: February 24th to March

14th 1957. Out of 193 million electorate,

This was the first Lok Sabha general election after the reorganisation of states on linguis-

tlcs basis. Delimitation on constituencies was

over 93 million exercised their franchise.

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Number of sittings held

Bill introduced and passed (Government bills)

ld simultaneously with the formation of 494. Congress party came to power, by w states. Total number of seats rose to winning 371 seats. eneral Election - 1957

k Sabha Secretary /

ecretary General

ls Introduced

lls Passed

rty	Candidates		Valid	
	Contested	Won	Votes %	
tional Parties				
BJS	130	4	05.97	
CPI	110	27	08.92	
INC	490	3 <i>7</i> 1	47.78	
PSP	189	19	10.41	
tal National Parties	919	421	73.08	
ite Parties	119	31	07.60	
dependents	481	42	19.32	
and Total	1519	494		
ime Minister	: Pandit Jawaharlal Ne	hru (05.04.19	957 to 10.04.1962)	
ite of first sitting after				
constitution	: 10.05.1957			
te of Dissolution	: 31.03.1962			
eaker	: M.Ananthasayanam Ayyangar (11.05.1957 To 16.04.1962)			
puty Speaker	: Sardar Hukkum Singl	h (1 <i>7</i> .05.1957	To 31.03.1962)	
omen members	: 24			
ader of The House	: Pandit Jawaharlal Nehru (05.04.1957 To 31.03.1962)			

: 1787 Days e Span of Lok Sabha umber of Sessions Held : 16 umber of Sittings Held : 567

: Government - 274, Private Members: 194 : Government - 316, Private Members: 2

: M.N.Kaul (During the full term of the Lok Sabha)

Third Lok Sabha (1962-1967)

ates of Elections: 16 February to 25, 1962. Olling was held for nearly ten days. All two- ember constituencies were changed to ngle member seats. Out of 216 million oters, 47.45 percent participated in the	election. 1985 candidates contested for 494 seats. Three candidates were elected unopposed. With 361 seats, Congress party secured victory in the third consecutive election.

ieneral Election - 1962

Valid Candidates Votes % Won Contested

arty ational Parties

29 137 361

. CPI 488 . INC

	196	14	6.44	
S	168	12	6.81	
rsp roc	107	6	2.69	
SOC SWA	173	18	7.89	
al National Parties	1269	440	78.50	
cognised Parties	217	28	. 9.28	
gistered (Unrecognised) Parties	20	6	1.17	
lependents	479	20	11.05	
and Total	1985	494		
me Ministers	Gulzari Lal N Lal Bahadur	ariai Nehru (10.04.196 anda (interim) (27.05.1 sastri (09.06.1964 to 1 landa (interim) (11.01.	1964 to 09.06.1964) 1.01.1966)	
•	Indira Gandl	ni (24.01.1966 to 13.03	3.1967)	
ate of First Sitting After				
	: 16.04.1962			
ate of Dissolution	: 03.03.1967			
peaker	Sardar Hukkum Singh (17.04.1962 To 16.03.1967)			
	S.V.Krishnamoorthy Rao (23.04.1962 To 03.03.1967)			
eaders of The House		narlal Nehru (02.04.196		
	Lal 8ahadur Gulzari Lal N	Vanda (27.05.1964 To s Shastri (09.06.1964 To Vanda (11.01.1966 To s an Sinha (14.02.1966 T	11.01.1966) 24.01.1966)	
ok Sabha Secretary/Secretary				
General	: M.N.Kaul (Up To 01.09.1964)		
	S.L.Shakdar	(From 01.09.1964)		
Vomen members	: 37			
ife Span of Lok Sabha	: 1783 Days			
lumber of Sessions Held	: 16			
lumber of Sittings Held	: 578			
ills Introduced	: Governmen	it - 278, Private Membe	rs: 177	
ills Passed		it - 273, Private Membe		
Fourt	h Lok Sabi	ha (1967-1970)		
**************************************			······································	
his was the first general electic andit Jawaharlal Nehru. His dau iandhi was at the helm of the ele aign. Polling was held between nd 21 February. Total voters	ghter Indira ection cam- 15 February	their votes. 2,369 ca for 520 seats. Five ca	rcentage of voters cast indidates campaigned andidates were elected ss Party got simple ma-	

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Valid

General Election - 1967

Party

•			T AND
	Contested	Won	Votes %
National Parties			
1. BJS	249	35	9.31
2. CPI	109	23	5,11
3. CPM	59	19	4.28
4. INC	516	283	40.78
5. PSP	109	13	3.06
6. SSP	122	23	4.92
7. SWA	178	44	8.67
Total National Parties	1342	440	76.13
State Parties	148	43	9.69
Registered (Unrecognised) Parties	13	2	0.39
Independents	866	35	13.78
Grand Total	2369	520	
Prime Minister	: Indira Gandhi (13.0	3.1967 to 18.0	3.1971)
Date of First Sitting After			
Constitution	: 16.03.1967		
Date of Dissolution	: 27.12.1970		
Speakers	: Neelam Sanjiva Redo	ly (17.03.1967	To 19.07.1969)
	Gurdial Singh Dhillo	n (08.08.1969	To 19.03.1971)
Deputy Speakers	: R.K.Khadikar (23.0)		
	G.G.Swell (09.12.19	69 To 27.12.19	770)

Candidates

: Indira Gandhi (04.03.1967 To 27.12.1970) : Dr. Ram Subhag Singh* (17.12.1969 To 27.12.1970)

Leader of The Opposition Lok Sabha Secretary/

STA

Leader of The House

: S.L.Shakdar (During The Full Term Of The Lok Sabha) Secretary General

Women members : 32

Life Span of Lok Sabha : 1383 Days

Number of Sessions Held :12 Number of Sittings Held : 469

Bills Introduced : Government - 196, Private Members: 347

: Government - 219, Private Members: 2 Bills Passed *First Leader of Opposition In The Lok Sabha.

Fifth Lok Sabha (1971-1977)

Party	Cano	lidates	Valid
	Contested	Won	Votes
National Parties			
1. BJS	157	22	
2. CPI	87	23	,

PM 1C
238 16 10.43 SP 63 2 1.04 SP 93 3 3 2.43 WA 59 8 3.07 al National Parties 1223 451 77.84 e. Parties 224 40 10.17 iistered (Unrecognised) Parties 203 13 3.62 ependents 1134 14 8.38 and Total 2784 518 me Minister : Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After onstitution : 19.03.1977 te of Dissolution : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) sputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) decretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) formen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 fills Introduced : Government - 378, Private Members: 282 fills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979)
SP 93 3 3 2.43 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 59 8 3.07 WA 50 10.17 WA 6 10.17 WA 7.84 WA 10.17 W
SP 93 3 2.43 WA 59 8 3.07 al National Parties 1223 451 77.84 e Parties 224 40 10.17 istered (Unrecognised) Parties 203 13 3.62 ependents 1134 14 8.38 and Total 2784 518 me Minister : Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After onstitution : 19.03.1977 te of Dissolution : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G. Swell (27.03.1971 To 18.01.1977) ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) is Sabha Secretary/ iscretary General : S.L. Shakdar (During The Full Term Of The Lok Sabha) omen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nill Sixth Lok Sabha (1977-1979)
al National Parties 224 40 10.17 istered (Unrecognised) Parties 224 40 10.17 istered (Unrecognised) Parties 203 13 3.62 ependents 1134 14 8.38 and Total 2784 518 ne Minister Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After onstitution 19.03.1977 te of Dissolution eakers Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker ader of The House Indira Gandhi (15.03.1971 To 18.01.1977) septy Speaker ader of The House Indira Gandhi (15.03.1971 To 18.01.1977) k Sabha Secretary/ isceretary General omen Members 26 fe Span of Lok Sabha 2133 Days umber of Sessions Held 18 umber of Sittings Held Government - 378, Private Members: 282 fils Passed Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok Sabha election was very significant in Jagjivan Ram, fought the elections in allian
e Parties e Parties 224 40 10.17 istered (Unrecognised) Parties 203 13 3.62 ependents 1134 14 8.38 and Total 2784 518 me Minister i Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After onstitution i 19.03.1977 te of Dissolution eakers i Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker i G.G.Swell (27.03.1971 To 18.01.1977) ader of The House ik Sabha Secretary/ iecretary General omen Members 26 fe Span of Lok Sabha 2133 Days umber of Sessions Held umber of Sittings Held ills Introduced ills Passed Sixth Lok Sabha (1977-1979) xth Lok Sabha (1977-1979) xth Lok Sabha election was very significant in Jagjivan Ram, fought the elections in allian
e Parties e Parties istered (Unrecognised) Parties ependents 1134 14 8.38 and Total 2784 518 The Minister Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After constitution 19.03.1977 te of Dissolution 18.01.1977 eakers 19.04 Sabia Ram Bhagat (05.01.1976 to 25.03.1977) Equity Speaker 19.05 G.G.Swell (27.03.1971 To 18.01.1977) Exputy Speaker 20.05 Swell (27.03.1971 To 18.01.1977) Exputy Speaker 21.05 Shali Ram Bhagat (05.01.1976 to 25.03.1977) Exputy Speaker 22.10 G.G.Swell (27.03.1971 To 18.01.1977) Exputy Speaker 23.10 G.Swell (27.03.1971 To 18.01.1977) Exputy Speaker 24.10 G.G.Swell (27.03.1971 To 18.01.1975), Exputy Speaker 25.10 G.Swell (27.03.1971 To 18.01.1977) Exputy Speaker 26.11 G.G.Swell (27.03.1971 To 18.01.1977) Exputy Speaker 27.12 G.G.Swell (27.03.1971 To 18.01.1977) Exputy Speaker 28.12 G.G.Swell (27.03.1971 To 18.01.1977) Exputy Speaker 29.13
istered (Unrecognised) Parties 203 13 3.62 ependents 1134 14 8.38 and Total 2784 518 me Minister : Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After onstitution : 19.03.1977 te of Dissolution : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) alder of The House : Indira Gandhi (15.03.1971 To 18.01.1977) alk Sabha Secretary/ decretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) comen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 fils Introduced : Government - 378, Private Members: 282 fills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) exth Lok Sabha election was very significant in Jagjivan Ram, fought the elections in allian
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ne Minister : Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After onstitution : 19.03.1977 te of Dissolution : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) eb to a compare the House indira Gandhi (15.03.1971 To 18.01.1977) escretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) omen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significantin Jagjivan Ram, fought the elections in allian
me Minister : Indira Gandhi (18.03.1971 To 24.03.1977) te of First Sitting After onstitution : 19.03.1977 te of Dissolution : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) puty Speaker : G.G.Swell (27.03.1971 To 18.01.1977) ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) k Sabha Secretary/ iecretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) omen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 Ils Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
te of First Sitting After onstitution : 19.03.1977 te of Dissolution : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) ik Sabha Secretary/ iecretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) omen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significantin Jagjivan Ram, fought the elections in allian
onstitution : 19.03.1977 te of Dissolution : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) ak Sabha Secretary/ iecretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) omen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
te of Dissolution eakers : 18.01.1977 eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) ek Sabha Secretary/ ecretary General : Indira Gandhi (15.03.1971 To 18.01.1977) expected of the House : S.L.Shakdar (During The Full Term Of The Lok Sabha) emen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) exth Lok Sabha election was very significant in Jagjivan Ram, fought the elections in allian
eakers : Gurdial Singh Dhillon (22.03.1971 To 01.12.1975), Bali Ram Bhagat (05.01.1976 to 25.03.1977) eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) ak Sabha Secretary/ becretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) comen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) ixth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
Bali Ram Bhagat (05.01.1976 to 25.03.1977) sputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) ak Sabha Secretary/ becretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) comen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) ixth Lok Sabha election was very significant in Jagjivan Ram, fought the elections in allian
eputy Speaker : G.G.Swell (27.03.1971 To 18.01.1977) ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) k Sabha Secretary/ iecretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) comen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 fls Introduced : Government - 378, Private Members: 282 flls Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
ader of The House : Indira Gandhi (15.03.1971 To 18.01.1977) k Sabha Secretary/ kecretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) komen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 fills Introduced : Government - 378, Private Members: 282 fills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) Exth Lok Sabha (1977-1979) Exth Lok Sabha election was very significant in Jagjivan Ram, fought the elections in allian
ik Sabha Secretary/ isecretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) iomen Members : 26 ife Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) ixth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
is ceretary General : S.L.Shakdar (During The Full Term Of The Lok Sabha) fromen Members : 26 fe Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 fills Introduced : Government - 378, Private Members: 282 fills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) fixth Lok Sabha election was very significant in Jagjivan Ram, fought the elections in allian
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re Span of Lok Sabha : 2133 Days umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) ixth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
umber of Sessions Held : 18 umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
umber of Sittings Held : 613 ills Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) ixth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
Ils Introduced : Government - 378, Private Members: 282 ills Passed : Government - 487, Private Members: Nil Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
Sixth Lok Sabha (1977-1979) Sixth Lok Sabha (1977-1979) Sixth Loksabha election was very significant in Jagjivan Ram, fought the elections in allian
Sixth Lok Sabha (1977-1979) xth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
exth Lok sabha election was very significant in Jagjivan Ram, fought the elections in allian
idian politics because this was during the Number of Lok Sabha seats rose to 542. Pol
ofamous national emergency (1975-77). Con- was spread over four days from Mar. 10
ress (O), BLD, Jan Sangh and Socialist Party Mar. 20, 1977. Total electorate had rises
oined together and formed a new party called 320 million. 193.7 million (60.5%) cast t
inata Party. Janata Party and Congress for votes. Janata party came to power with
emocracy, a Congress splinter group led by seats and Congress got only 154 seats.
General Election - 1977
arty Candidates Valid
Contested Won Votes %
lational Parties
.BLD 405 295 41.32
. CPI 91 7 02.82
lanorama Yearbook 2007

М	53	22	04.29
	492	154	34.52
:0	19	3	01.72
National Parties	1060	481	84.67
Parties	85	49	08.80
tered (Unrecognised) Parties	70	3	01.03
endents	1224	9	05.50
d Total	2439	542	and the same of th
: Minister	: Morarji Desai (2	4.03.1977 to 28.07	7.1979)
		8.07.1979 to 14.0	
of First Sitting After			
stitution	: 25.03.1977		
of Dissolution	: 22.08.1979		
kers	: Neelam Sanjiva	Reddy (26.03.1977	7 To 13.07.1977)
	-	7.1977 To 21.01.1	
ity Speaker	_	i (01.04.1977 To 2	
•	•	3.03.1977 To 28.0	
	Choudhary Cha	ran Singh (28.07.1	979 To 22.08.1979)
ers of Opposition	•	.3.1977 to 12.4.19	
• •		2,04.1978 To 10.0	
		07.1979 To 28.07.	
		8.07.1979 To 22.08	
iabha Secretary/			
retary General	: S.L.Shakdar (Up	то 18.06.1977)	
•		ıy (From 18.06.197	77)
1en members	:18	-	
Span of Lok Sabha	: 881 Days		
•	:9		
iber of Sittings Held	: 267		
Introduced		61, Private Membe	rs: 249
Passed	: Government - 1	36, Private Membe	rs: Nil
			The state of the s
Sevent	h Lok Sabha	(1980-1984)	
seventh Lok sabha general ele l on 3 rd and 6 th January 1980 e held only in 529 seats. The). Elections th	e fray.Out of 363 i	529 candidates were in million electorate, 200 gress returned to power
tions in 12 constituencies in		ith 353 seats.	-
neral Election - 1980		Candidates	Valid
У		Candidates Won	Votes %
	Contested	44011	and the second section of the second section of the second section of the second section of the second section
ional Parties	40	10	2.49
:PI	47	3 <i>7</i>	6.24
PM	64	37 353	42.69
NC(I)	492	232	The same of the sa
			Ment'
			`

ווזיינטן		74	18.97		
INP	433	31			
JNP(S)	293	41	9.39		
tal National Parties	1541	485	85.07		
ate Parties	106	34	7.69		
gistered (Unrecognised) Parties	156	1	0.81		
dependents	2826	9	6.43		
rand Total	4629	529			
ime Ministers	: Indira Gandhi (14.01 Rajiv Gandhi (31.10	1.1980 to 31.10.	.1984) 1984)		
Aftern	Kajiv Ganusii (31.10	.17071031.12.	.,,		
ate of First Sitting After	: 21.01.1980				
Constitution	: 31.12.1984				
ate of Dissolution	: Bal Ram Jakhar (21.0	11 1080 To 15 0	1 1985)		
peakers	: G. Lakshmanan (1.2				
eputy Speaker					
eaders of The House	: Indira Gandhi (10.0				
	Rajiv Gandhi (31.10	.1984 10 31.12.	1904)		
ok Sabha Secretary/	4 4 65 1 631		2)		
Secretary General	: Avtar Singh Rikhy (l	•			
	Dr.Subash C.Kashya	ip (From 31.12.1	983)		
ife Span of Lok Sabha	: 1807 Days				
Number of Sessions Held	: 15				
Number of Sittings Held	: 464				
3ills Introduced	: Government - 290, Private Members: 435				
3ills Passed	: Government - 336, Private Members: Nil				
oms rasseu	: Government - 330,	Private Member	2: 1411		
			»: IAII		
	h Lok Sabha (1		S: 14II		
Eighti	n Lok Sabha (1:				
Eightl General Election - 1984	n Lok Sabha (1:	984-1989)			
Eightl General Election - 1984	h Lok Sabha (1: Can	984-1989) Ididates	Valid		
Eighti General Election - 1984 Party	h Lok Sabha (1: Can	984-1989) Ididates	Valid		
Eighti General Election - 1984 Party National Parties	h Lok Sabha (19 Can Contested	984-1989) didates Won	Valid Votes %		
Eighti General Election - 1984 Party National Parties 1. BJP	Can Contested	984-1989) didates Won	Valid Votes %		
Eighti General Election - 1984 Party Vational Parties 1. BJP 2. CPI	Can Contested	984-1989) didates Won 2 6	Valid Votes % 07,40 02,70		
Eighti General Election - 1984 Party Vational Parties 1. BJP 2. CPI 3. CPM	Can Contested 229 66 64	984-1989) didates Won 2 6 22	Valid Votes % 07.40 02.70 05.72		
Eighti General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS	Can Contested 229 66 64 39	984-1989) didates Won 2 6 22 5	Valid Votes % 07.40 02.70 05.72 01.62		
Eighti General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC	Can Contested 229 66 64 39 517	984-1989) didates Won 2 6 22 5 415	Valid Votes % 07.40 02.70 05.72 01.62 48.12		
Eightl General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. JNP	Can Contested 229 66 64 39 517 219	984-1989) didates Won 2 6 22 5 415 10	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66		
Eightl General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. JNP 7. LKD	Can Contested 229 66 64 39 517 219 173	984-1989) didates Won 2 6 22 5 415 10 3 462	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86		
Eighti General Election - 1984 Party National Parties 1. BjP 2. CPI 3. CPM 4. ICS 5. INC 5. INC 5. INP 7. LKO Fotal National Parties	Can Contested 229 66 64 39 517 219 173	984-1989) didates Won 2 6 22 5 415 10 3	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86 12.05		
Eightl General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. INC 5. INP 7. LKD Fotal National Parties State Parties	Can Contested 229 66 64 39 517 219 173 1307 165	984-1989) didates Won 2 6 22 5 415 10 3 462 66	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86		
Eighti General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. INC 5. INP 7. LKO Fotal National Parties State Parties Registered Parties	Can Contested 229 66 64 39 517 219 173 1307 165 126	984-1989) didates Won 2 6 22 5 415 10 3 462 66 00	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86 12.05 00.68		
Eighti General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. INC 5. INP 7. LKO Fotal National Parties State Parties Registered Parties Independents	Can Contested 229 66 64 39 517 219 173 1307 165 126 3894	984-1989) Ididates Won 2 6 22 5 415 10 3 462 66 00 13	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86 12.05 00.68		
Eighti General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. INC 5. INP 7. LKO Fotal National Parties State Parties Registered Parties Independents	Can Contested 229 66 64 39 517 219 173 1307 165 126 3894	984-1989) Ididates Won 2 6 22 5 415 10 3 462 66 00 13	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86 12.05 00.68		
Eighti General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. INC 5. INP 7. LKD Fotal National Parties State Parties Registered Parties Independents Grand Total	Can Contested 229 66 64 39 517 219 173 1307 165 126 3894	984-1989) Ididates Won 2 6 22 5 415 10 3 462 66 00 13	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86 12.05 00.68		
Eighti General Election - 1984 Party National Parties 1. BJP 2. CPI 3. CPM 4. ICS 5. INC 5. INC 5. INP 7. LKD Fotal National Parties State Parties Registered Parties Independents Grand Total	Can Contested 229 66 64 39 517 219 173 1307 165 126 3894	984-1989) Ididates Won 2 6 22 5 415 10 3 462 66 00 13	Valid Votes % 07.40 02.70 05.72 01.62 48.12 06.66 05.64 77.86 12.05 00.68		

: Rajiv Gandhi (31.12.1984 to 02.12.1989)

te of First Sitting After onstitution

me Minister

: 15.01.1985

te of Dissolution : 27.11.1989 eaker

: Bal Ram Jakhar (16.1.1985 to 18.12.1989) : M.Thambi Durai (22.01.1985 To 27.11.1989) .Speaker

: Rajiv Gandhi (31.12.1984 to 27.11.1989) ader of The House

k Sabha Secretary/

ecretary General : Dr.Subash C.Kashyap

(During The Full Term of The Lok Sabha)

omen members : 46

e Span of Lok Sabha

: 1778 Days

imber of Sessions Held : 14 imber of Sittings Held : 485

ls Introduced : Government - 273, Private Members: 417

ls Passed : Government - 346, Private Members: Nil

Ninth Lok Sabha (1989 -1991)

e number of seats had went up to 543 in cast their votes. Elections were held on 22, 24, and 26 November, 1989. Elections were e ninth Lok Sabha elections. This additional not held in Assam. 6160 contested for 529 at was the result of Goa's statehood in May

seats. One candidate was elected uncon-87. Another significant development was tested. Congress emerged as the single large lowering of the voting age from the est party with 197 seats. Nobody got simple stwhile 21 to 18 years. The total number of

ters rose to 530 million, 300 million voters majority.

eneral Election - 1989

ırty	Candidates		Valid	
	Contested	Won	Votes %	
ational Parties				
BIP	225	85	11.36	
CPI	50	12	2.57	
СРМ	64	33	6.55	
ICS(SCS)	14	1	0.33	
INC	510	197	39.53	
ID	244	1.43	17.79	
INP(JP)	155	0	1.01	
LKD(B)	116	0	0.20	
otal National Parties	1378	471	79.33	
tate Parties	143	27	9.28	
=-		19	6.13	
egistered (Unrecognised) Parties	926	12	5.25	
idependents	3713			
rand Total	6160	529		

Prime Ministers

: Viswanath Pratap Singh (02.12.1989 to 10.11.1 Chandrasekhar (10.11.1990 to 21.06.1991)

: Rajiv Gandhi (18.12.1989 To 24.12.1990)

Date of First Sitting After

Constitution : 18.12.1989
Date of Dissolution : 13.03.1991

Speakers : Rabi Ray (19.12.1989 to 09.07.1991)

Dy. Speaker : Shivraj V Patil (19.03.1990 To 13.03.1991)

Leaders of The House : Viswanath Pratap Singh (02.12.1989 To 10.11.1 Chandra Shekhar (10.11.1990 To 13.03.1991)

Leader of the Opposition Lok Sabha Secretary/

Secretary General : Dr.Subash C.Kashyap (Up To 20.08.1990)

K.C.Rastoqi (From 27.07.1990)

Women members : 28

Life Span of Lok Sabha : 451 Days
Number of Sessions Held : 7

Number of Sittings Held : 109

Bills Introduced : Government - 81, Private Members: 156
Bills Passed : Government - 63, Private Members: Nil

Tenth Lok Sabha (1991-1996)

Elections for tenth Lok Sabha were held on 20 May, 6, 8,12,15 and 22 June 1991. No elections were held in Jammu and Kashmir and njab went to polling stations in 1992. 8780, andidates contested for 534 seats. Total

number of voters rose to 520 mil million voters went to polling static gress with 244 seats emerged as t largest party, 28 seats short of simp ity.

General Election - 1991

Party	Cand	ldates	Valid	
	Contested	Won	Votes %	
National Parties				
1. BJP	477	120	20.04	
2. CPI	43	14	02.43	
3. CPM	63	35	06.14	
4. JD	313	59	11.77	
5. JD (S)	02	00	00.37	
6. JP	351	05	03.34	
7. ICS (SCS)	28	01	00.35	
8. INC	502	244	36.55	
9. LKD	90	00	00.05	
Total National Parties	1859	478	81.04	
State parties	506	51	13.08	
Registered Parties	843	04	02.21	
Independents	5574	01	04.01	
Grand Total	8780	534		

Manorama Yearbook 2007

Printe Ministers t 2.4 Namestra file (21.06 189) to 18.13 1995

Date of First Storing Arter

Constitution :03.07,0391 Date of Dissolution : 10,05,096

Sceaker ः क्रिकेल्यु प्रकारते (१००००) विकास एक २००७ १९४५ । इ.स.च्या प्रकारते (१००००) विकास एक २००७ १९४५ ।

Dy.Speaker : S. Mallierfuraum (13 02,1991 To 00 05,1996)

Leaders of The House : Arjun Singh (12.12.1991 To 20.11.1991)

P.V. Narazimma Rad (2011), 1991 To 10 15 1995,

Leaders of Opposition : L.K. Acrael 131 06,1991 to 25 07 1993.

ABN a grayese (25.07.1993 To 10.05.1995)

Lok Saona Secretary,

Secretary Ceneral ACAMONG (Up To 31 12.1991).

CLC/3LD (From 01/01/1992 To 31 15/1994)

S.N.Mistra (From 01,01,1995).

Life Span of Lok Sacha . 1763 Staires Held - 423

Number of Sections Heid : 15

Bills introduced : Covernment - 248, Private Members, 416 Bills Passed : Covernment - 284, Privata Mamberia Nil

Eleventh Lok Sabha (1996 - 1997)

General Election - 1996

227/	Card	: cutes	المنا الما
•	Contested	ได้จด	Votes in
National Parties			
JAICO	321	Q- 4	21.45
2. 8;2	471	151	20.29
3. CPI	43	12	01.97
4. CPM	75	32	\$5.12
5. INC	52 <i>9</i>	140	23.50
6. 19	195	46	03.08
7.12	102	3 0	00.19
3. SAMATA PARTY	81	¢3	G2 17
Total National Parties	1817	403	69 Vá
State Parties	761	129	22 43
Registered Parties	733	02	62.20
Independents	10635	69	Co 23
Grand Total	13952	543	graphical control of the product of

: AB.Vajpayee (16.05.1996 to 01.06 1996) Prime Ministers

H.D.Deve Cowas (01.06.1996 to 21.04.1997)

LK, Gural (21.04.1997 to 19.03.1793)

Date of First Sitting After

Constitution - 22.05.1996 Date of Dissolution : 04.12.1997

 Speaker
 : P.A.Sangma (23.05.1996 To 23.03.1998)

 Dv. Speaker
 : Suraj Bhan (12.07.1996 to 04.12.1997)

Dy. Speaker : Suraj Bhan (12.07.1996 to 04.12.1997)
Leaders of The House : A.B. Vajpayee (16.05.1996 To 01.06.1996)

Ram Vilas Paswan (11.06.1996 To 04.12.1997)

Leaders of The Opposition : P.V.Narasimha Rao (16.05.1996 To 01.06.1996)

A.B. Vajpayee (01.06.1996 t 4.12.1997)

Lok Sabha Secretary/

Secretary General : S.N.Mishra (Up To 15.07.1996)

S.Gopalan (From 15.07.1996)

Women members : 40°
Life Span of Lok Sabha : 562 days
Number of Sessions Held : 6

Number of Sittings Held : 125
Bills Introduced : Government - 67, Private Members: 158
Bills Passed : Government - 64, Private Members; Níl

- Twelfth Lok Sabha (1998 - 1999)

Elections were held on 7, 16, 22 February 1998. Out of 606 million electors, 368 million participated in polling process. 4750 candidates were in the fray for 543 seats. No got simple majority but BJP with 182 was the single largest party.

General Election - 1998

	543	4750	Grand Total
02.37	06	1915	Independents
10.87	49	871	Registered Parties
18.79	101	471	State Parties
67.98	387	1493	Total National Parties
01.76	12	57	7. SAMATA PARTY
03.24	06	191 -	6. JD
25.82	141	477	5. INC
05.16	32	71	4. CPM
01.75	09	58	3. CPI
04.67	05	251	2. BSP
25.59	182	388	1. BJP
¥01.C3 70	***************************************	Wornestea	
Valld Votes %			
	ldates Won	Cano Contested	Party

Prime Minister

: A.B.Vajpayee (19.03.1998 To 13.10.1999)

Date of First Sitting After Constitution

Constitution :23.03.1998
Date Of Dissolution : 26.04.1999

Speaker : G.M.C. Balayogi (24.03.1998 to 20.10.1999)

Manorama Yearbook 2007

Deputy Speaker : P.M. Sayeed (17.12.1998 To 26.04.1999) eader of The House : A.B.Vajpayee (19.03.1998 To 26.04.1999) eader of The Opposition

: Sharad Pawar (19.03.1998 to 26.04.1999)

: S.Gopalan (During The Full Term of The Lok Sabha And Thereafter Up To 14.07.1999)

Candidates

: 400 Days

: 4

: 44

Number of Sessions Held : 4

Number of Sittings Held :88

: Government - 71, Private Members:122

lills Passed : Government - 60, Private Members: Nil

Thirteenth Lok Sabha (1999- 2004)

Election were held on 05,11,18, 25 Septemper and 03 October 1999, 4648 candidates contested for 543 seats. BJP—led NDA formed government with TDP's outside support.

Valid

02.74

General Election - 1999

ecretary General

Vomen Members

3ills Introduced

ife Span of Lok Sabha Number of session held

raity	Canu	luates	y and	
	Contested	Won	Votes %	
National Parties				
1. BJP	339	182	23. 75	
2. BSP	225	14	04.16	
3. CPI	54	04	01.48	
4. CPM	72	33	05.40	
5. INC	453	114	28.30	
6. JD (S)	96	01	00.91	
7. JD (U)	60	21	03.10	
Total National Parties	1299	369	67.11	
State Parties	750 ·	158	26.93	
Registered Parties	654	10	03.22	

: A.B. Vajpayee (13.10.1999 to 22.05.2004)

06

543

Date of First Sitting After Constitution : 20.10.1999

: 06.02.2004

Date of Dissolution

Speakers : Manohar Joshi (10.05.2002 To 02.06.2004) Deputy Speaker : P.Sayeed (27.10.1999 To 06.02.2004)

Leader of The House : A.B.Vajpayee (13.10.1999 To 06.02.2004)

1945

4648

Leader of Opposition : Sonia Gandhi (13.10.1999 To 06.02.2004)

Lok Sabha Secretary/

Secretary General

Independents

Grand Total

Prime Minister

: G.C.Malhotra (From 14.07.1999) Women Members

: 45

te Parties sistered Parties lependents

and Total me Minister

:onstitution eaker

. Speaker

al National Parties

ional Parties

IP.

ISP

Pł

IPM

NC

VCP

omen Members

Brazil: Congress

Iceland: Alpingi

Israel: Knesset

Iran: Mailis

Japan: Diet

Denmark: Folketing

ader of The House ader of the Opposition k Sabha Secretary/ ecretary General

te of First Sitting After

10, 2004. 6,87,402 polling booths were

nged for 671.5 million voters. 387.4 voters

icipated in the election process. The voter out vote was 58.07 percent. 5435 candi-

urteenth General Election 2004

: 17.05.2004

898

2385 5435

Contested

364

435

34

69

417

32

1351

801

543 : Manmohan Singh (22.05.2004 To......

: Somanath Chatterjee (04.06.2004 To......) : Charnjit Singh Atwal (10.06.2006 To)

: Pranab Kumar Mukherjee (17.05.2004 To) : L.K.Advani (02.06.2004 To)

: G.C.Malhotra (14.07.1999 To 01.08.2005) P.D.T.Achary (01.08.2005 To)

absolute majority. But Congress-led UPA man-

aged to form the government with outside

support of Left parties. Congress was the single

Valld

22.16

05.33

01.41

05.66

26.53

01.80

62.89

28.90 03.96

03.96

04.25

Votes %

largest party with 145 seats.

Won

138

19

10

43

145

364

159

15 05

09

Candidates

Parliament of Selected Countries

Bangladesh: Jatiya Sangsad (Parliament)

Nepal: Rashtriya Panchayat Bhutan: Tshogdu (National Assembly)

Norway: Storting

Poland: Seim

Sudan: Majlis Watani

Sweden: Riksdag

Tanzania: Bunge

Tukey: Grand National Assembly

U.K.: Parliament House of Lords and House of Commons U.S.A.: Congress (House of Repr. & Senate)

norama Yearbook 2007

Mongoila: The Great Hural

Canada: House of Commons and Senate

lous salia Raidy Rosillon (montenezona)

Total Seats	545
Total Seats Vacant PARTY, SEATS, LEADER	18
PARTY, SEATS, LEADER	

PARIT, SEATS, LEADER

- Indian National Congress (INC), 146,
 Shri Pranab Mukherjee
- Bharatiya Janata Party (BJP), 128, Shri L.K. Advani
- 3. Communist Party of India (Marxist) (CPI(M)), 42, Shri Basudeb Acharia
- 4. Samajwadi Party (SP), 38, Prof. Ram Gopał Yadav
- Rashtriya Janata Dal (RJD), 23 , Shri Lalu Prasad
- Dravida Munnetra Kazhagam (DMK),
 Shri C. Kuppusami
- Bahujan Samaj Party (BSP), 15 , Shri Rajesh Verma
- 8. Shiv Sena (SS), 12, Shri Anant Geete
- Biju Janata Dal (BJD), 11, Shri Braja Kishore Tripathy
- Communist Party of India (CPI), 10,
 Shri Gurudas Dasgupta
- 11. Nationalist Congress Party (NCP), 10
- 12. Shiromani Akali Dal (SAD), 8 , Shri Sukhdev Singh Dhindsa
- Janata Dal (United) (JD(U)), 7, Shri Prabhunath Singh
- 14. Pattali Makkal Katchi (PMK), 6, Prof. M. Ramadass
- 15. Telangana Rashtra Samithi (TRS), 5, Shri K. Chandrashekar Rao
- 16. Jharkhand Mukti Morcha (JMM), 5,
- 17. Telugu Desam Party (TDP), 4, Shri K. Yerrannaidu
- Lok Jan Shaktl Party (LJSP) 4 , Shri Ram Vilas Paswan
- 19. Marumalarchi Dravida Munnetra

- Kazhagam (MDMK), 4, Shri L. Ganesan
- 20. Rashtriya Lok Dal (RLD). 3
- 21. Revolutionary Socialist Party (RSP), 3, Shri Joachim Baxla
- 22. Janata Dal (Secular) (JD(S)) , 3 , Shri M.P. Veerendra Kumar
- 23. Kerala Congress (KEC), 2, Shri P.C. Thomas
- 24. Jammu and Kashmir National Conference (J&KNC), 2
- 25. All India Forward Bloc (FBL), 2
- Asom Gana Parishad (AGP), 2, Dr. Arun Kumar Sarma
- All India Majlis-E-Ittehadul Muslimmen (AIMIM), 1, Shri Asaduddin Owaisi
- 28. All India Trinamool Congress (AITC),
 1, Km. Mamata Banerjee
- 29. Bharatiya Navshakti Party (BNP), 1, Shri Delkar Mohanbhai Sanjibhai
- Jammu & Kashmir Peoples Democratic Party (J&KPDP), 1, Ms. Mehboobs Multi
- 31. Sikkim Democratic Front (SDF) , 1 , Shri Nakul Das Rai
- 32. Samajwadl Janata Party (Rashtnya) (SJP(R)), 1, Shri Chandra Shekhar
- 33. Republican Party of India(A) (RPI(A))

 1, Shri Athawale Ramdas Bandu
- 34. National Loktantrik Party (NLP), 1 , Shri Baleshwar Yadav
- 35. Nagaland Peoples Front (NPF), 1, Shri W. Wangyuh
- 36. Muslim League Kerala State Committee (MLKSC), 1 , Shri E. Ahmed
- 37. Mizo National Front (MNF), 1, 350. Vanlalzawma
- 38. Independent (Ind.)

श्विरिक श्विधीक स्वार्धि रिक्सीिको (इंड का गर्ड वर्ड २००६

Vacancy 2	(MNF) Mizo National
	(ML) Muslim League
(INC) Indian National Congress 72	(NPF) Nagaland Peop
(BJP) Bharatiya Janatga Party 49	(PMK) Pattali Makkal l
(SJ) Samajwadi Party 15	(PDP) Peoples Democ
(CPI M) Communist Party of India	(RLD) Rashtriya Lok D
(Marxist)14	(RSP) Revolutionary Se
(AIADMK) All India Anna Dravida	Samata Party1
Munnetra Kazagham 12	(SDF) Sikkim Democra
(BSP) Bahujan Samaj Party 7	(SBP) Swatantra Bhara
(RJD) Rashtriya Janata Dal 7	Nominated
(TDP) Telugu Desam Party 6	Independent
(JD U) Janata Dal (United)	
(NCP) Nationalist Congress Party S	List of Nominated Me
(BJD) Biju Janata Dal 4	Shri Shyam Benegal
(\$5) Shiv Sena 4	Smt. Shobhana Bharti
(AITC) All India Trinamool Congress 3	Kumari Nirmala Desh
(INLD) Indian National Lok Dal 3	Smt.Hema Malini
(AIFB) All India Forward Block	Dr. Bimal Jalan
(CPI) Comunist Party of India 2	Shri Ram Jethmalani
(DMK) Dravida Munnetra Kazhagham 2	Dr. K.Kasturirangan
(SAD) Shiromani Akali Dal 2	Dr. Narayan Singh M
(JD S) Janata Dal (Secular) 2	Dr. Chandan Mitra
(LKNC) J&K National Conference 1	Shri Dara Singh

(MNF) Mizo National Front	1
(ML) Muslim League	. 1
(NPF) Nagaland People's Front	1
(PMK) Pattali Makkal Katchi	1
(PDP) Peoples Democratic Party	. 1
(RLD) Rashtriya Lok Dal	1
(RSP) Revolutionary Socialist Party	
Samata Party1	•••
(SDF) Sikkim Democratic Front	. 1
(SBP) Swatantra Bharat Paksh	
Nominated	. 7
Independent	9
List of Nominated Members	
List of Nominated Members Shri Shyam Benegal	•••
	•••
Shri Shyam Benegal Smt. Shobhana Bhartia	
Shri Shyam Benegal Smt. Shobhana Bhartia Kumari Nirmala Deshpande	
Shri Shyam Benegal Smt. Shobhana Bhartia	•••
Shri Shyam Benegal	
Shri Shyam Benegal	
Shri Shyam Benegal	
Shri Shyam Benegal	

Parliament: Common Terms

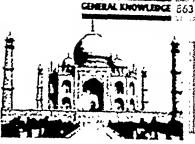
Adult franchise: Voting right conferred on every adult, without distinction, to elect any candidate he or she may choose.

Pleblscite: Direct vote of electors on a political issue of importance (very rarely resorted to).

Proportional Representation An electoral system under which a legislature reflects the strength of the various political parties among the electorate at large. It has several forms.

Ratification The formal adoption by a state of a treaty signed by its representatives. It is effected by an exchange of documents, embodying their formal adoption of the treaty. between the states concerned.

Referendum A reference of a particular political question to the electorate for a direct decision by popular vote.

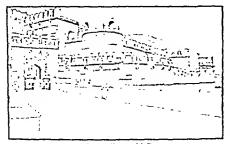


Acropolis (Ancient Greece): The citadel of ancient Athens, which contained the Parthenon, the Erechtheum, etc.

Actium (Ancient Greece): Known for the Battle of Actium, which established the victory of Octavian over Antony and Cleopatra (31 BC).

Addis Ababa (Ethiopia): Capital and biggest city. Name means 'New Flower'. Hq.of African Union, and UN Economic Commission for Africa. Emperor Haile Selassie I ruled the country for about 50 years until deposed in 1974.

Agra (U.P): The home of Taj Mahal, India's most famous monument, on the banks of the Yamuna. The Taj Mahal, "A



Agra Fort, U.P.

tear drop on the face of humanity'. Work began 1632, took 22 years to complete the complex. Agra Fort is famous. An industrial town.

Aintree (U.K.) The racecourse near Liverpool where famous race Grand National has been run since 1839,

Ajanta (Maharashtra): Famous for the Buddhist caves, which date from 200 BC to AD 650. A World Heritage Site.

Almer(Rajasthan): Muslim pilgrim centre. The 12th century Sufi saint Khwaja Moinuddin Chishti's tomb is here.

Akshardham (Gujarat): Temple in Gandhinagar where a terrorist attack billed 33 people in 2002.

Al Aqsa Mosque (Jerusalem): Islam's third holiest place, alter Mecca and Medina.

Alaska (USA): Bought by USA from Russia in 1867.

Albany (USA): Capital of N. York state. Albany Congress (1754) was the US colonial gathering of delegates at which Benjamin Franklin proposed a plan of union for the separate British colonies.

Alexandria (Egypt): City founded by Alexander the Great.

Algiers (Algeria): Capital. Founded by Phoenicians. It became the capital of the French colony of Algeria in 1830. The Alles' hq in WWII. N.Africa's chief port on the Mediterranean. The 11th century Sidi Abderrahman Mosque attracts tourists.

Allgarh (U.P): An ancient city, formerly known as Koilm with traces of Buddhist temples. Jamia Millia Islamia was founded here in 1920. Anglo Oriental College of Aligarh was converted into Aligarh Muslim University.

Allahabad (U.P): Formerly Prayag. City at the confluence of the Ganges and the Yamuna. Anand Bhavan, the shrine to the Nehru Family. Some 20 m. pilgrims gathered here for had Kumbh Mela' festival in 1995 - the largest religious crowd.

Altamira (Spain): Site of palaeolithic case paintings and engravings.

Amarnath (ISK): Known for the case temple, visited hydevetees of Lord Social and begin their

2400 m. K

Amritsar (Punjab): The holiest shrine of the Sikhs, the Golden Temple is here.

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Annapolis (USA): Capital of Maryland; the site of the signing of the peace treaty ending American Revolution. US Naval Academy here.

Antananarivo (Madagascar): Capital. Formerly Tananarive. Founded early 17th c. as a walled citadel.

Antioch (Turkey): New name is Antakya. City founded in 300 BC by Seleucus I. Antioch was 'the queen of the east'.

Antwerp (Belgium): Prominent trade centre in 15th century. Site of Europe's first stock exchange (1460). Cathedral of Norte Dame (14th century). Bombed in WWII. Diamond cutting is well developed.

Apia (Western Samoa): Capital. Vailima, the former home of R.L. Stevenson, happens to be the residence of the head of state.

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Agadir (Morocco) Port. Town was destroyed in a major 1960 earthquake. The Portuguese named it Santa Cruz (1505-41).

Andes (S. America): Longest mountain range in the world.

Arlington (USA): Location of the Pentagon. National Cemetery built in 1864, where prominent Americans have been buried.

Armenia (S. Caucasus): An advanced kingdom, mountainous. Republic today. It was part of USSR. Has problems with Azerbaijan over Nagomo-Karabakh.

Aruba (The Caribbean): Dutch island, autonomous, Capital is Oranjestad.

Arusha National Park (Tanzania): Rich in flora and fauna. The site of Mount Meru and the extinct volcano Ngurdoto Crater.

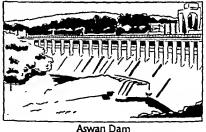
Asaphila (Arunachal Pradesh): This is where the Chinese army transgressed the LAC in 2003.

Ashanti (Ghana): A kingdom of the Ashanti people annexed to the British colony of Gold Coast (Ghana) in 1901. Now a province with capital at Kumasi.

Astana (Kazakhstan): Capital of Kazakhstan. Its name was Akmola until 1961 and from 1994 to '98. From 1961 to 1994 it was Tselinograd. Until 1998 the name was Alma Ata. Since 1998, present name.

Asti (Italy): Town known for its sparkling white wine, Asti Spumante.

Aswan (Egypt): City on the bank of the Nile. Aswan High Dam was built (1960-1970) with Soviet aid.



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Atacama Desert (Chile): The most arid region in the world. Stretches about 1000 km.

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Babylon (Iraq): It was the capital of the Babylonian empire on the Euphrates River, south of Baghdad (modern Irag). Greatest ruler was Nebuchadnezzer (605-562 B.C). Hanging Gardens were one of the Seven Wonders. Babylon fell in 538 B.C.

Baikal Lake (Russia): In Siberia, world's deepest lake and the largest freshwater feature in Asia. The Trans-Siberia Railway, runs along its edge.

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Bandung (Indonesia):The Non-Aligned Movement had its beginning in the Bandung Conference, 1955 with 29 countries representing more than half the world attending.

Bangalore (Karnataka) Capital. Founded in 16th c. by Kempa Gowda, Fifth largest In-



Glasshouse, Bangalore

dian city. Asia's Silicon Valley. The fastestgrowing Indian city is also known as the Garden City.

Barcelona (Spain): Country's second largest city. Venue of Olympics, 1992.

Barrakpore (W. Bengal): Mangal Pande fired the first shot here beginning India's War of Independence. He was hanged here.

Barren Island (Andaman and Nicobar): Its active volcano first noticed in 1991.

Bastille (France): A symbol of Bourbon despotism, this mediaeval fortess was stormed by a mob in 1789.

Bay of Pigs (SW coast of Cuba): Spanish name: Bahia de Cochinos). About 1500 Cuban exiles tried unsuccessfully to invade the country and overthrow Fidel Castro on Apr. 17, 1961 at this bay.

Beijing (China). Capital. Formerly Peking. Settled since ancient times. Tiananmen Square, world's largest public square is here.

Beira (Mozambique): Chief port of Mozambique, Zimbabwe and Malawl. Founded 1891. Under Portugal until 1942.

Beirut (Lebanon): Capital . At the foot of

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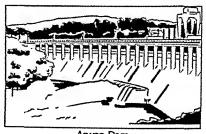
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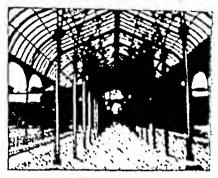
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Lebanon Mountains. It was the chief banking and cultural centre of the Middle East. Heavily damaged in civil war 1979-90.

Belgrade (E. Europe): Formerly capital of Yugoslavia and of the kingdom of Serbia. An important commercial centre in the Balkans. Suffered under Nazi occupation ('41 - '44). Kosovo conflict hit Belgrade. Now, capital of Serbia-Montenegro.

Belitung or Billiton (Indonesia): An island in the Java Sea, whose tin mines have attracted a large Chinese community.

Belmopan (Belize): Made capital of Belize in 1970, following major hurricane damage to Belize city in 1961.

Belorussia (Central Europe): Modern name Belarus. Was part of USSR, now member, CIS. Benin Kingdom (Africa): A historic kingdom (13th-19th c.). Trade centre for ivory and

slaves. Later became part of British Nigeria.

Ben Nevis (Scotland): The highest peak in the British Isles (1,343m.) in the central

Grampian Mountain range.

Berchtesgaden (Germany): A resort in the Bavarian Alps, the site of Hitler's fortified mountain retreat, the Beghof.

Bering Sea (Pacific Ocean): Its islands include the Pribilofs, Aleutians, Nunivak, etc. Discovered by Danish explorer Vitus Bering. The Bering Stralt is said to have formed a land bridge by which on final inhabitants of N. America arrived from Asia.

Berlin(Germany): Capital. Founded in 13th c., capital of Prussia, of German empire (1871). In 194B Soviet-controlled East Berlin and West Berlin (controlled by US,UK, France) were born. The airlift of supplies by British and American aircraft, following WWII, after Soviet attempts to isolate the city from the West is known as Berlin Airlift. The blockade was lifted in 1949. Berlin Wall was built by East German government (1961) to seal off E.Berlin from W.Berlin to prevent illegal migration. Wall was opened in 1989.

Bermuda (West Atlantic): A British overseas territory. Old name: Somers Islands. Bermuda,

the Greater Antilles and the US coast ma 'Bermuda Triangle', an area where aircraft reported to have vanished mysteriously. Beslan (Russia): On Sept. 1, 2004, Chech

rebels loyal to Shamil Basayev took ove school in Beslan for two days. A failed reso operation ended in the death of 350, of who 172 were children. Bethlehem (now under Palestine): Bir

place of Jesus Christ. The early home of Ki Da-vid. Annexed by Jordan in 1950. Later, v part of West Bank, Turned over to Palestine 1995.

Bharatpur (Rajasthan): Founded 173

Capital of former Indian Princely Sta Keoladeo National Park. Bharuch (Gujarat): Important port of we

ern India since AD BO.
Bhlmbetka (M.P.): Rock shelters with pai

ings from the mesolithic period.

Bhopal (M.P.): Capital. The second larg
Muslim principality of the British empi
Founded in 11th century. Begums of Bhop

were Muslim women rulers of 18th c. The to gas leak tragedy, the worst industrial ac dent, occurred in 1984. Bhubaneswar (Orissa): Capital. The 'City Temples'. Temples date from 7th to 13th ce turies which saw a revival of Hinduism. Over 4 temples (out of some 7000 in the past) rema

Blafra(Nigena): Under Col. Ojukuvu, t Igbo people of Biafra tried to break away fro Nigena. Civil war of 1967-70.

including the 11th century Lingaraj Temple.

Bljapur (Karnataka): Capital of the A Shahi sultans, principal rulers of the Decc in 16th & 17th c. Its most celebrated bui ing is the tomb of Muhammad Adil Shah, 't Gol Gumbaz'.

Bikini (Pacific) Atoll in the Marshall island Site of US nuclear tests, and first H-bomb to (1952).

Birmingham (U.K.): Britain's second lar est city, developed rapidly in the Industr Revolution. lindu Mallabhum kingdom (founded 8th c.). ssau (Africa): Capital of Guinea- Bissau.

741 it replaced Bolama as capital. oomsbury (U.K.): Intellectuals who are

vn as Bloomsburry Group (early years of century) met here. E.M. Forster, Virginia

If and J.M. Keynes were members. odh Gaya (Bihar): Village where the Budattained enlightenment under the Bodhi

okaro(Jharkhand): Steel City. Steel plant,

Soviet aid, completed in the 80s. ologna (Italy): Industrial town. It has one ie world's oldest universities, which beas a law school In 425. ombay High (India): The country's off-

e area in the Arabian Sea. Responsible for third of the oil produced by India. A mare in July, 2005. onn (Germany): Capital of West Germany

1949 to 1990, when the two Ger-manys

unified. Beethoven was born here. omeo (Malay Archipelago): World's third est island. Thinly populated. Sabah and wak are part of Malaysia, Brunei is inde-

dent, Kalimantan state belongs to Indoosnia (E.Europe): The international crisis led to the outbreak of WWI had its roots

. Austria-Hungary annexed Bosnia and egovina and trouble began. It has been in news since 1990 as a scene of ethnic war. part of the country Bosnia-Herzegovina.

osporus: The strait joining the Black Sea the Sea of Marmara. On its eastern shore anbul.

oston (USA): This Atlantic seaport, capital lassachusetts, was focus of pre-Revolution rity (Boston Massacre 1770, Boston Tea

y 1773, etc). Now an important manturing, financial and educational centre.

ougalnville (PNG): Volcanic island in hwest Pacific Ocean. Scene of guernila

are since 1980.

kia, it was the third largest city. Bratislava is on the river Danube. An industrial city.

Bretton Woods (USA). A 1944 international conference here led to the establishment of IMF.

brazilis Capital, laid out in the that e

Bratislava (Slovakia): It was the capital of

Hungary from 1541 to 1784. In Czechoslova-

of an aircraft. Inaugurated in 1960.

Brindisi (Italy): A centre of the crusades in the middle ages. A naval base. Brisbane(Australia): Founded as a penal

colony. Town (1834) named after former govemor of New South Wales. The country's thaid largest city.

British East Africa: Former British territories in East Africa-Uganda, Kenya, Tanga-nyika, Zanzibar.

British West Africa: Former name for Nigeria, Gambia, Sierra Leone, Gold Coast, Togoland, Cameroon. Bmo: The Czech industrial city where the

Bren gun, a gas-operated light machine gun, was developed. Broadway (USA): Principal theatre district

located on or near the street Broadway in New York. Brunel (Southeast Asia): Sultanate. Sultan

Bolkiah was world's richest person for many years. In 16th c., Brunei ruled over the whole of Bomeo and parts of the Philippines.

Brunswick (Germany): It has the oldest technical university in Germany. Brussels (Belgium): Capital, it was capital

of the Spanish Netherlands in the Middle Ages Hq. of EU and NATO.

Bubastis (Egypt): A ruined temple city us Lower Egypt now known as Tail Bastaft, it was sacred to the cat goddess Bast. Budapest (Hungary): Capital created in

1873 by merging the towns of Buda and Fest, on the two sides of the Dancibe. It was one of the two capitals of the Austro-Hungarian Empire Bucharest (Romania): Capital and the

country's largest city. On River Dimercial

founded in 14th c. Occupied by Germans in WWI and WWII, Has famous churches and museums.

Bukhara (Uzbekistan): One of the oldest citles and trading centres of Asla. It was the centre of a powerful kingdom. Rapid growth after discovery of natural gas in the '50s.

Buland Darwaza (Agra): A gateway to Fatehpur Sikri. At 186 feet, the highest gate in the world.

Byblos (Ancient Phoenicia): Chief city of Phoenicia in 2nd millennium B.C., on the site of modern jebeil. Famous for Papyrus, nicknamed biblos, from which the word 'Bible' is derived.

Caen(France): Port, tomb of William the Conqueror.

Calro (Egypt): Largest African city. Pyramids are nearby.

Calabar (Nigeria): Port, centre of the slave trade in 18th & 19th centuries.

California (USA): Most populous US state. Major towns: San Francisco, Los Angeles, San Diego, Sacramento. Centre of micro electronics Industry in Silicon Vailey. Disneyland.

Calvary (Jerusalem, Golgotha in Hebrew): The hill outside the city of Jerusalem where Jesus Christ was crucified.

Cambridge (UK): City on River Cam. One of world's greatest universities. First college Peterhouse founded in 1284.

Cambridge (USA): Harvard University Is the oldest (1636) US college. MIT moved from Boston, 1915.

Camp David (USA): The US President's retreat In the Appalachian Mountains where the Middle East peace treaty was signed by Sadat and Begin (1978) with President Carter mediating.

Campoformido (Italy): Treaty of Campo Formido of 1979 was signed here between Austria and France, after Austria was defeated by Napoleon.

Cana(Palestine): Northeast of Nazareth. Jesus Christ Is believed to have performed his first miracle here. Canaan (Israel): Ancient Palestine before it was occupied by the Jews was 'Canaan' - referred to In the Bible as the land promised to the Israelites by God.

Canary Islands (Spain): Group of islands in the Atlantic Ocean, of volcanic formation.

Cannes(France): Venue of the most prestigious International film festival.

Canterbury (England): City in east Kent, seat of the Archbishop of the Anglican Church, Famous for the cathedral where Thomas Becket was assassinated (1170).

Canton (China): Port, commercial centre of S. China. Focus of the first Oplum War. Sun Yat Sen was born here.

Canyon de Chelly (USA): National monument in Arizona, established in 1931 to protect Indian ciiff dwellings dating from AD350.

Cape Canaveral (USA): Known as Cape Kennedy, 1963-73. Launch site for US space programme.

Cape of Good Hope (S. Africa): Discovered by Bartolomeu Diaz in 1488. He called it the Cape of Storms.

Capernaum (Israel): Site of many biblical events, situated on the northern shore of the Sea of Galilee.

Cape Town (S.Africa): The oidest white settlement in S.Africa. Founded 1652. Country's legislative capital, second largest city and chief seaport. Venue of CHOGM summit of 1999.

Cape Verde (Senegal): The westernmost point of Africa.

Capitol (USA): Where the US Congress meets in Washington.

Capri (Italy): Island, which was a favourite resort of Roman emperors. Today a big tourlst attraction.

Capri (Italy): Island at the entrance to the Bay of Naples. Popular resort. Its cavern accessible only by sea. The Blue Grotto, is an attraction.

Cardiff (UK): Capital of Wales. Its Welsh name is Caerdydd.

Carthage(Tunisia): Ancient town founded by Phoenicians (814 BC). Destroyed in Punic Wars. It was founded again by Caesar and Octavian. Arabs destroyed it (698).

Casablanca (Morocco): The port city where Churchill and F.D. Roosevelt met for the Casablanca Conference in 1943.

Catania (Italy): In Sicily. Often damaged by eruptions of Mt.Etna.

Cayenne (French Guiana): Capital and seaport. Founded in 1643 by the French. A penal colony.

Chaco (Paraguay-Bolivia). Chaco War (1932-35) between the two countries in the disputed Northern Chaco area. Paraguay was the winner.

Champa (Magadha): Ancient Indian city, capital of the Kingdom of Anga. In Buddhist literature, Champa is one of the six great N. Indian cities of 6th BC. A kingdom of this name was later founded in Annam, which is now in Vietnam.

Champagne (France): Noted for the production of champagne wine.

Champaran (Bihar): The struggle of indigo planters here was an issue that put Gandhiji's satyagraha to test.

Chandeapur (Maharashtra): Capital of the Gond dynasty, 12th to 18th c. Part of Central Provinces, 1854-1947.

Chandranagar (W. Bengal) settled by the French in 1673. England captured it but again was under the French. Merged with India in 1949. Now known as Chandannagar.

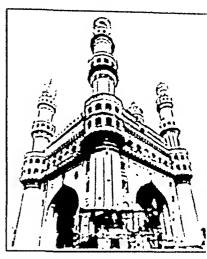
Chandlgarh: Capital of both Punjab and Haryana. India's first planned city, designed by Le Corbusier.

Chandraglri (A.P): When the king of Aravidu dynasty of Vijayanagar was overthrown in 1565, their capital was moved to Chandragiri, site of a fort from 1000.

Changsha (China): Historic trade centre, capital of Hunan Province.

Channel Islands (US): Island group of the British Isles in the English Channel (Jersey, Guernsey, etc).

Charminar (A.P.): An important landmark Hyderabad, 400-year old city of minarets ar palaces.



Charminar, Hyderabad

Chauri Chaura (U.P): A mob attacked police station and killed 22 policemen her following which Gandhiji suspended the Cribisobedience Movement.

Chechnya (Russia): A constituent republiof Russia in north Caucasus. Resistance to Russian rule by Chechnya since 19th c. Cheche rebels keep carrying out attacks.

Chennal (Tamil Nadu): Capital. India fourth largest city. Formerly known as Madra Big industrial centre. Sri Parthasarathy Tempi (built in 8th century) and Santhome Cathe dral (1504) are here. The first English church built in India (1678) is in Chennal.

Cherrapunji (Meghalaya): One of the west test places on earth, Rain 2621 cm. as last Average 1143 cm. in monsoon mention.

Chicago (USA): City on the state of the Michigan. Devastated by fire at 1873. The state port, industrial, shipping control of the state of the est rail terminal in the waste of the busiest airports. We state out the busiest airports. We state out the busiest airports.

Chilika Lab

sator lake in Asla.

Chittagong (Bangladesh): Seaport. ountry's chief port.

Cluny (france): Town where the Clunks ider of Benedictine monks was established 1910.

Cognac (France): Town on river Charente, nown for the brandy of the same name promed here.

Coimbatore (Famil Fladu): Tamil Fladu's sind largest city, major industrial centre, and se state's commercial capital. Textile hidus-cy centre.

Colditz (Germany): A castle here was used a a prison camp in WWIF, for Allied escapera Coldstream (Scotland, UK): Town-known or Regiment of Coldstream Guards raised here list (1660) to restore Charles II.

Colorado (USA): l'amons for Colorado Malonal monument (1911) which has towering nonoliths and canyons.

Colosseum(flome): Amphitheatra built in ND 70-82 between gladiators and of men with minuts.

Columbia (U.S.A): State capital, Burned by Gen Sherman hr 1863.

Communism Peak (Tajikistan): Mountain in central Asia, known as Mount Garmo until 1933 and Stalin Peak until 1962. It was the highest peak in the tormer Soviet Union,

Concord (USA): The beginning of American War of Independence was marked by Battle of Concord (1775).

Constantinople (Finkey): Byzantium from 330 to 1930. Capital of Byzantine Empire, the castern half of the Roman - empire. Fell to Ottoman Turks (1453). Flow, Istanbul.

Cook Strait (Pacific Ocean Channel): Sepaates New Zealand's North and South Islands. Wifed by Captain Cook in 1770.

Copperbelt (Africa): A region in Cen. Africa, with the largest copper deposits in Africa.

Coral Sea (or Sulomon Sea): It has many oral islands. Was seene of US victory over apanese, 1942.

Cordoba (Spain): City which was the capital of Moorish Spain in 8th c. Great Mosque (990).

Corfu (Greece): Island in the Ionian Sea. British protectorate from 1815 to 1864.

Corinth (Greece): A powerful city of ancient Greece. Destroyed by Itomans, 146 B.C., rebuilt by Caesar, 44 BC.

Corpus Christi (USA): A port, on Corpus Christi Day, channel access to Gulf of Mexico.

Cordea (France): Largest bland of France. Mappleon Bonaparte was born here.

Cotopaxi (Cenador): Highest active volcano for the world.

Crete (Greece): Largest Greek Island, Settled from 6000 BC, Minoan civilization, 2000 BC,

Crimea (Ukraine): Peninsula in South Ukraine, now an autonomous republic of Ukraine. Crimean War (1853-56) fought by Britain, France and Ottoman Turks against Russia.

Cuemyaca (Mexico): A resort city which has Cortes' palace.

Dahomey (Africa): Modern name Iterim A French protectorate 1894, in French West Africa 1904, Independence 1960. Named Benin 1975.

Da Nang (Vietnam): A port on the South China Sea. It had a major US alrbase during the Vietnam War. Formerly known as Fourane.

Darjeeling (W. Bengal): A former Untistribili station at the foot of the Himalayas. Mount Everest and Kanchenjunga can be seen from Darjeeling.

Darwin (Australia): Port, Aliled by In WWIL Bombed by Japan in 1942, A 1974 cyclone destroyed the city.

Davos (Switzerland): A resort, the venue of World Economic Corum, 2000.

Dayton (USA): The scene of the Peace Accord of 1995 that ended the Bosnian civil war.

Delphi (Greece): A village famous in ancient Greece as the sanctuary of Apollo and the seat of his oracle.

Dhaka (Bangladesh): Capital, Itom 1608-

35-1912. of East Pakistan, 1947; of Banglah since 1971. 'The city of mosques', Cenof world's biggest jute-growing region. Dharamsala (Himachal Pradesh): The home

24, capital of Mughal province of East Ben-

, of British province of East Bengal & Assam,

the Dalai Lama and the Tibetan Governnt-in-exile. Hill station established in mid th century.

Dharavi (Mumbai): Asia's largest slum.

Dlego Garcia (India Ocean): Island, Amerin military airbase. Treaty was signed in 1966 US and UK for the use of the island.

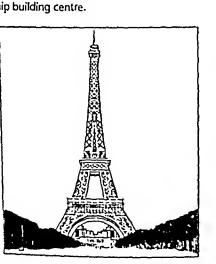
Digha (W. Bengal): Known as Beercool in days of Warren Hastings. One of world's dest beaches.

Doogton (Ohio, USA): Hometown of Wilbur

d Orville Wright. Dresden (Germany): A centre of Napoleon's litary operations. The beautiful city was maged in WWII bombing. Known for art

lleries and other cultural institutions. Dudhsagar Falls (Goa- Karnataka border) ghest in India. 600 m.

Dumbarton Oaks (US): The first blueprints for tting up UN were formulated here in 1944. Dumbarton (Scotland): An engineering and



Eiffel Tower, Paris

Dunkirk (France): Seaport. Scene (in 1940) of the evacuation of over 300,000 Alled troops under fire, as France fell to Germany.

East Anglia (UK): A powerful Anglo-Saxon kingdom of 6th century. The region of east England, it has vey fertile agricultural land.

Edinburgh (UK): Capital of Scotland, Robert the Bruce was king of Scotland from 1306-29. Home to Adam Smith, David Hume, Robert Burns and Walter Scott. Home to University of Edinburgh. Famous for Edinburgh Festival of music and drama.

Eiffel Tower (Paris): An iron tower erected for the Paris Exhibition of 1889, on Seine treet, Paris, designed by A.G.Eiffel. World's most visited site.

Elba (Italy): Island in the Ligurian sea where Napoleon lived after his abdication.

Elephanta Caves (Maharashtra): Cave temples on Elephanta Island off the west coast of the State.

Ellora (Maharashtra): Known for the cave temples and architecture that attract tourists in large numbers.

Ephesus (Turkey): An important archaeological site. A leading port under Greeks and Romans. Temple of Artemis, one of the seven wonders of world is here.

Essen (Germany):On the Ruhr river, it is home to the Krupp steel works, Europe's most extensive iron and steel works. Destroyed in WW II.

Eton (UK): Seat of Britain's most famous public school, Eton College, founded in 1440.

Eureka Stockade (Australia): Scene of an armed clash in 1854 when government was forced to back down, in the face of public opinion following goldminers on wheat expensive mining license was unposed.

Everglades (Florida, USA): Large marabland which has mangrove locests, is and masses of vegetation, snakes, turbes and assigators. It contains Everglades National park.

Evian (France) . Vinge of the

June 2003.

72 GENERAL KNOWLEDGE

Exeter (SW England): This city on river Exe as many ancient buildings, esp. the 13th entury Norman Cathedral and the remains f Roman walls.

Eyre, Lake (Australia): At 15 m.below sea evel, it is the lowest point on the continent. Falkland Islands (UK): British crown colony is S.Atlantic Ocean. To Argentina, they are Malvinas'. War between Argentina and Brit-

in over the Islands in 1982.

Fatima (Portugal): Small village where three hepherd children claimed to have seen vilions of the Virgin Mary in 1917.

Finland (Northern Europe): A wealthy counry. Thousands of lakes. Some think human pabitation here dates back 100,000 years.

Flanders (Belgium-France): The region frejuently fought over by France, Spain and Austria is divided between Belgium and france. Scene of big trench warfare in WW I. Florence (Italy): Cultural, intellectual cenre of Italy, the rule of the Medice family beng the most glorious time. Leading centre of the Renaissance. Capital of the Kingdom of taly, 1865-71. The School of Florence includes

Florida (USA): It forms a long peninsula with thousands of lakes and many rivers. Belonged to the Spanish. America puchased it in 1819. Everglades, Florida Keys, Disney World, Miami, etc are here.

Leonardo da Vinci, Michaelangelo and

Forbidden City (China): The public museums in Beijing were in the past imperial palaces where no commoner or foreigner could enter without special permission. The complex had some 9000 rooms.

Formosa (Taiwan's former name, Republic of China): Island in the Pacific. The Portuguese named it Formosa ("beautiful"), then was under the Dutch, and then under the Ming dynasty of China. Chiang Kaishek fled to Taiwan. Economic growth was spectacular from the 1950s.

Fort St. George (Tamil Nadu): A factory

trading post, completed on St. George's Day, (April 23, 1640) was the nucleus from which the British empire grew. It was East Indies Company's principal settlement until 1774. Outside the walls of Fort St. George was George Town.

Freetown (Sierra Leone) Capital. Founded in 1790s as a foundation for freed slaves. From 1808 to 1874, it was capital of British West Africa.

Galafi (Romania): City at the confluence of Danube and Siret rivers. Rebuilt after WWII. Port, shipyard.

Galapagos Islands (Ecuador): Pacific archipelago on the equator. Volcanic Islands in the sparse vegetation. Unique animal species include giant land tortoises. Galapagos National Park, a world heritage site.

Galliopoll (Turkey): Post on the European side of the Dardanelles; the first European city to be conquered by Ottoman Turks (1354). Famous for the Allied operation against Turks in WW I. After eight months of inconclusive fighting and deaths of 145,000 men, the Allies withdrew.

Gaul (France). Transalpine Gaul, the region that developed into the medieval kingdom of France.

Gauteng (S. Africa): The country's smallest but most populous province. Capital: Johannesburg

Gaya (Bihar): Gaya, along with Varanasi and Allahabad is one of the three most sacred sites for Hindu funeral rites.

Gaza Strip: Area (146 sq.mile) captured by Israel from Egypt, 1967. Mostly statelss Palestinians live there in refugee camps.

Gdansk(Poland). Formerly Danzig. Industrial port. 1980 saw labour unrest in the Lenin Shipyard, in support of 'Solidarity'. Lech Walesa, an electrician here, rose to become President of Poland.

Genoa (Italy): The country's largest seaport. Birthplace of Columbus.

Gettysburg (USA): Famous for Abraham

Raphael.

ii.

Lincoln's Gettysburg Address (1863) at the dedication of a war cemetery in Pennsylvania, where the Battle of Gettysburg was fought

(1863) in the American Civil War.

Ggantija (Malta): Ggantija Temples (built

Ggantija (Malta): Ggantija Temples (built 3600-3300 BC) are a Copper Age complex

on island Gozo (the 'Isle of Calypso')

Gibraltar (UK): British Crown Colony. Smallest (6.5 sq.km) colony in the world. Played

est (6.5 sq.km) colony in the world. Played important role in Allied naval operations in

WW I & WW II. Gibraltar Rock's height 426 m. Gir (Gujarat): Sasan Gir National Park in Saurashtra, the only place where the Asiatic

lion can now be found.

Goa (India): Former Portuguese enclave.
Popular tourist destination, which has over 100

Popular tourist destination, which has over 100 km of almost uninterrupted coastline and sunny weather. Palolem is one of its many

beautiful beaches. Dabolim is Goa's airport. Gobl (Central Asia): Desert of 1,295,000 sq.km. extending across China and Mongolia.

Golan Helghts (Syria-Israel) This strategi-

cally important area of Syria was occupied by Israel in 1967 and annexed in 1981.

Gopalpur-on-Sea (Orissa): Seashore town with beautiful beaches.

Gough Island: UK overseas territory in the South Atlantic, described as world's most important sea.

Granada (Spain): City founded by the Moors in the 8th century. Capital of the Kingdom of Granada, 1238. Tombs of Ferdinand and Isabella can be seen.

Golconda (A.P): Capital of the Qutb Shahi Sultans of 16th c. Rich in historical monuments including the Golconda Fort.

Great Rift Valley: East African Rift System, extending from Jordan to Mozambique.

Great Slave Lake (Canada): Lake named for the slave Indians, drained by the Mackenzie

Great Smoky Mountains (USA): Part of the Appalachian Mountains, 2025m.

Greenwich (UK): The village near London. Greenwich Mean Time, the UK standard time, (GMT) is based on local time of the mersial passing through Greenwich.

Gwallor (M.P): The capital of many dyna

ties since A.D. 8th century. Gwallor Fort. Vilas Palace, Tomb of Tansen (the famousinger at Akbar's court) are important sites.

singer at Akbar's court) are important sites.

Haifa (Israel): City and port. Taken by Ni
poleon (1799), occupied by Britain, made pa
of Palestino, Since 1848 and del

Haldighat: Scene of the great buttle of 157

of Palestine. Since 1948 under Israela centre Tourist resort, headquarters of the Ban movement.

in which Rana Pratap was defeated.

Halifax (Canada): Important city, busy poc capital of Nova Scotia. Country's main max

capital of Nova Scotia. Country's main nabase in world wars. Dalhousie University w. founded in 1818. Hamburg (Germany): Germany's large

free city in 1815. Allied bombing destroye the city in WWI, was rebuilt. Home to the Hamburg Opera. Hampi (Kamataka): It contains the ruins of Vijayanagar and was the capital of three generations of Hindu rulers. Krishnadeva Raya and

port and foremost industrial city. It was

member of the German Confederation as

Achyta Raya were the most clustrious rulers.

Harappa (Pakistan): The site of a great cit
of the Indus Valley Chilization. Cemeteries and
brick buildings of Harappa were excavated in

1920s and 1946.

Harrow (London) Site of world famous private preparatory school for boys founded at 1571.

Harvard (USA): Harvard University at Cambridge, Massachusetts is the earliest. (1036) US college. Alma mater of seven American

Presidents.

Hebron (Palestine):A West Bank town, income where Israeli troops withdrew in 1997, lunca soldiers are staboned in part of Hebron to pos

tect the few hundred Jewish settlers there Hiroshima (Japan): City destroyed . . .

Aug. 6, 1945 by the list attend beautiful and

by USA

Ho Chi Minh City (Vietnam): New name of Saigon. Former Capital of French Indo-China. Hq of US military operations in Vietnam War. Captured by N.Vietnamese troops and renamed.

Horsely Hills (A.P.): The summer resort in Chittoor district. Named after Collector W.D. Horsely.

Huntingdon (UK): Birthplace of Oliver Cromwell.

Hyderabad (A.P): Hyderabad-Secunderabad is the twin city capital. Charminar, built by Mohammed Quli Qutb Shah (1591), is the principal landmark. Buddha statue, Salar Jung Museum and Hussain Sagar etc.

Ibadan (Nigeria): City founded in 1830s. Country's intellectual centre.

iona(UK): A remote island of Mull in Scot-

land, the site of a monastery set up in AD 563.

Ionia (Turkey): Important ancient region, western coast of Asia Minor. Miletus and Ephesus were leading cities. Ruled by Hellenistic kings until it became part of the Roman

empire in 2nd century B.C. Ionian Islands (Greece): Seven islands in the Ionian Sea, namely Corfu, Cephalonia, Zacynthus, Leucas, Ithaca, Cythera and Paxos.

Innsbruck (Austria): Founded in 12th c., a commercial and industrial centre and winter sports resort.

lpswich (U.K.) Town. Agricultural market for the region. Birthplace of Cardinal Wolsey.

Islamabad (Pakistan): Capital since 1967. A new city.

Jalpur (Rajasthan): The 'City of Victory' was founded in 1727 by Maharaja Jai Singh II. Included on the popular tourist 'Golden Triangle' of Delhi-Jaipur-Agra. The 'Pink City', its palaces, forts and museums are elegant.

Jakarta (Indonesia): Capital. Formerly Batavia. The Dutch founded it in 1619. Important centre of the Dutch East India Company.

Jallianwala Bagh (Punjab): Where Gen. R.E. H. Dyer opened fire on an unarmed assembly of people of Amritsar, who were protesting against Rowlatt Act. Number of deaths 379, wounded 1208.

Jerusalem (Israel): A holy city of Christians, Jews and Muslims. Capital (declared 1950, lacks international recognition). Capital of Palestine 1922-48. Divided between Israel and Jordan, 1949.

Jhansi (U.P.): Known in association with its queen Rani Lakshmi Bai, who was active in the '1857 Mutiny'. Jhansi has a magnificent fort.

Jharia (Jharkhand) It has rich deposits of coal.

Junagadh (Gujarat): One of the three princely states that didn't accede to Indian Union in 1947. It was annexed to India on Nov. 9, 1948. It was the capital of Gujarat under the Kshattrapa rulers. Girnar Hill is the chief attraction.

Kachchativu (Sri Lanka): Island in the Palk strait given to Sri Lanka under an agreement in 1974.

Kalga (Karnataka): It has an atomic power plant. Sea bird, the country's largest naval base, is coming up around here.

Kakrapar (Gujarat): Site of India's fifth atomic power project.

Kalimantan (Indonesia): Part of Borneo, rich in timber. Scene of recurrent ethnic and political violence.

Kailnga (India):Emperor Asoka who crushed the Kalingan Kingdom at Dhauligin near Bhubaneshwar (261 B.C.) was shocked by the horrors of war and converted to Buddhism.

Kalpakkam (T. Nadu): India's 50 MW experimental fast breeder test reactor is located here.

Kamakura (Japan City, former Japanese Capital). Now noted for its shrines, temples and 13 m. high bronze Buddha.

Kamchatka (Russia): A peninsula that separates the Sea of Okhotsk from the Bering Sealt has lakes, forests and 20 active volcanoes-

Kampala (Uganda): Capital since 1962. It is on Lake Victoria. Founded by the British near



Buckingham Palace, London

violence followed. Ethnic Albanians were repressed by Serbs. NATO's air strikes (1999) hit Kosovo badly.

Kota (Rajasthan): Industrial city. Former Princely State. City Palace of 1625. Rich artistic heritage.

Kottayam (Kerala, India): The first town in India to achieve 100 percent literacy. Known for its lakes and rubber plantations. Well-known tourist destination. Kumarakom is 16 km from here.

Krakov or Cracow (Poland): Poland's third largest city. Pope John Paul II was born here.

Kremlin (Russia): The residence of tsars until 1712, political and administrative headquarters of USSR in 1918.

Kuala Lumpur (Malaysia): Capital. Petronas Twin Towers, until recently world's tallest building, are here.

Kurdistan (Iran): Inhabited by Kurds, who also live in Iraq, Turkey and Syria. 20 m. in number, the world's largest ethnic group without its own state.

Kuril Islands (Russia): Chain of 30 large and 26 smaller islands in Sakhalin region. In 1875 Russia gave the islands to Japan in exchange for full control of Sakhalin island. Ceded to USSR, after WWII.

Kurukshetra: (Haryana) Scene of the battle between Kauravas and Pandavas; site of the Revelation of the Bhagavad Gita; one of the 16 Mahajanapadas or republics of 'Jambu dvipa'.

Kutchch, Rann of (Gujarat): Region of salt marsh, scene of an Indo-Pak fighting, 1965.

Kyoto (Japan) ("Capital City"): Capital from 8th century to 1868. Centre of culture and

Buddhism. Kyoto University, 1897.

Ladakh (J&K): Region that accounts for to thirds of the state. Sparsely populated, it high altitude desert. Leh is its main town, a its ancient 8uddhist monasteries attract to ists.

La Paz (Bolivia): The highest capital in world (3631 m.)

Lappland (Arctic region of Europe): Exter over Norway, Sweden, Finland and the K peninsula.

Lausanne (Switzerland): On the north

Lausanne (Switzerland): On the north shore of Lake Geneva. Tourist resort, conv tion centre. International Olympic Comm tee hq.

Leeds (UK): This West Yorkshire city of famous in 18th c. for its textile manufact ing, Industrial, cultural centre. Leeds Mo Festival, International Pianoforte Competitietc.

Leningrad (Russia): Founded by Peter Great in 1703. Called St.Petersburg, it was capital of Russia for 200 years until 1918. some time it was known as Petrograd. Russ second largest city. The Hermitage Muse is here.

Leshan (China): World's tallest Budd statue (71 metres) is here. It has a unique hour 'electronic bodyguard'. Lhasa (Tibet): At 3684 m., it was the hi

Lhasa (Tibet): At 3684 m., it was the hi est capital in the world before domination Tibet by China.

Libreville (Gabon): Capital. The name of given in 1848 after freed slaves were sett there.

Uechtenstein (Central Europe): A small p cipality of 157 sq.km, with very high per cap income.

Little Rock (USA): Capital of Arkansas. Supreme Court enforced a ruling against cial discrimination in schools in 1957.

Liverpool (UK): Sixth largest city in England the principal Atlantic port. The Beabelonged to Liverpool.

Locarno (Switzerland): Locarno Pact



British Museum, London

1925, resolving the status of the Rhineland and guaranteeing French-German and Belgian-German borders.

London (UK): Capital. A major trade, financial, cultural, political centre. Buckingham Palace, Westminister Abbey, Tower of London, Big Ben, Hyde Park, St.Paul's, British Museum, Downing Street, etc are landmarks.

Lopburi (Thailand): East of Bangkok, famous for the thousands of monkeys that live with human beings in the town.

Lord's (London, UK) Cricket ground; hq of M.C.C.

Lucknow(UP): Capital of the kingdom Avadh, and cultural capital of North India. Nawabs patronised arts. British annexed it.

Lugano (Switzerland) Resort town on the shores of Lake Lugano in Switzerland and Italy.

Lukung (J&K): LOAC separates Lukung and Chinese occupied territory. It has one of world's loftiest inhabited places around, and one of Asia's largest brackish water lakes. Lake Pangong, a tourist attraction, at 4267 m. is here.

Lusatia (Germany): The home of the Sorbs, an ancient Slav people.

Maastricht (Netherlands): European Union conference of 1991 was held in this city. Maastricht Treaty was the agreement on Europe's political, economic and monetary union.

Macedon (SE Europe): Ancient country

(roughly the modern Macedonia). City of Thessaloniki founded by long Ph/ pill (420 a C), father of Alexander the Great.

Machu Picchu (Peru): Ruined Inca city, discovered in 1911. Aworld bentage site.

Madagascar (Indian Ocean): World's fourth largest island, settled by Indonewans in 1st c. AD.

Madrid (Spain): Capital, Highest capital city in Europe (alutude 655 m).

Madurai (Tamil Nadu): One of south India's oldest cities. Sri Meenakshi Temple is here.

Mahe (Pondicherry): Former French establishment. In the Malabar coast on the Westem Ghats, surrounded by Kerala state.

Majuli (Assam): The largest inhabited riverine island in the world,

Malaga (Spain): Port. Ancient Malaca. Founded by Phoenicians in 12th c.B.C. Eath-place of Picasso.

Mall (Africa): A republic in West Africa, A mediaeval state which reached its peak in 14th c. Ruled by France 1881-95, territory of French Sudan until 1959.

Mamallapuram (T. Nadu): A 7th century port city which has rock-cut temples. The #te is named after Mamalla (a 'Great Wrester'), the title of Pallava king Narasimha Varman I

Manchurla (China): Sparsely populated mountainous area. The last Chinese empersor were Manchus. Under Russian control for long

Manipur (India): This former Procesy State was brought into India in 1826 by the Treaty of Yandabo at the end of the Indo-Summer War. Statehood in 1972, Manipun dance of famous.

Maramba (Zambia): Capital of the known sia 1911-1935. City first named the opinion after the first explorer David themptons

Marrakesh (Morocco): One of Marieta k four imperial cities (founded 1062). Further capital, Islamic, commercial transference

Mashhad (Iran): The hely activated the most number of places year who come to the shifted Imam.

Mathura (U.P.): Birthplace of Lord Krishna. Situated on the banks of the river Yamuna. Hindu pilgrims consider it a holy spot. Dates back to 600 BC. Vrindavan is here.

Medina (Saudi Arabia): Islamic holy city that contains the tomb of Prophet Mohammed.

Mekong Delta (S.E. Asla): Mekong river's lower course has 1/3 of the population of Cambodia, Laos, Thalland and Vietnam. In 1957, UN's Mekong River Development Project be-

gan.

Memphis (USA): In Tennessee. Martin
Luther King Jr. was assassinated here (1968).

Merseyside (U.K.): Country in northwestern England. It gave the world the Beatles, famous football teams and golf links.

Mexico City (Mexico): Capital. Largest city in the world. Olympic Games (1968). About 20,000 killed in an earthquake (1985).

Myanmar and Bangladesh, it was known until 1972 as 'Lushal Hills', a district of Assam. The Mizo tribal people are thought to have come from NW China in 7th century.

Mizoram (Northeast India): Between

Mohanjo-Daro(Pakistan): A great site of the Indus Valley Civilization. The excavation in 1920s brought to light extensive brick-built remains.

Mombasa (Kenya): Chief port, industrial centre. It was the capital of East Africa Protectorate, 1888-1907, A British naval base in WWII.

Monaco (France-Italy border): Independent principality, 73 sq.km. A luxurious resort known for Monte Carlo gambling centre, car races and beaches.

Mont Blanc (French-italian border): Highest mountain in the Alps. There is a 12 km road tunnel connecting the two countries.

Monte Cristo(Italy): Islet in the Tyrrhenian Sea. Association with the Duma novel The Count of Monte Cristo.

Montego Bay (Jamaica): Port and tourist capital of the country. Locally called Mobay. Montenegro (in former Yugoslavia): Now part of Serbia and Montenegro. An ancient state of the Balkans. An independent kingdom, 1910-1B. It joined the Kingdom of Serbs, Croats and Slovenes.

Monte San Glorglo (Switzerland): A pyramid-shaped, wooded mountain regarded as the best fossil record of marine life.

Montserrat (UK): Territory in the Caribbean.
A 1997 volcanic erruption made two-thirds of the Island uninhabitable.

Montreal (Canada): Second largest French

Montreal (Canada): Second largest Frenchspeaking city in the world. Venue of 1976 Olympics. Trade, finance centre.

Mount Ruapehu (New Zealand): Highest peak of North Island (2797 metre). Situated In Tonganiro National Park. Intermittently active volcano.

Montreux (Switzerland): The 13th century chateau de Chillon, Figures in Byron's poem Prisoner of Chillon. Annual television festival awards the Golden Rose of Montreux.

Mount Ararat (Turkey): Extinct volcanic peak. Noah's Ark is said to have come to rest here.

Mount Isa (Australia): World's largest city In area-41, 225 sq.km.

Mount Kallas (Tibet): Also known as Mount Meru. The world's highest altitude pilgrimage ends here.

Mount U (China): A life-size army of about 7500 painted terracotta figures deployed in military formation underground was discovered here in 1974. First Chinese Emperor Qin Shihuangdi buned here.

Mumbal (Maharashtra): India's largest city and commercial capital. Capital of Maharasthra State, main seaport and industrial city.

Munich (Germany): Capital of Bavaria. Swedes occupied it in 1632 and the Frenchin 1800. In 1920s, it was the centre of the Nazi Party. Munich Putsch (Beer hall Putsch) was an attempted coup in 1923 by Hitler to overthrow the republican government. Munich

vow made by the villagers when they were saved from the plague in 1633.

Odessa (Ukraine): Black Sea port. Centre of the battleship 'Potemkin' mutiny in the Revo-

lution of 1905. Okinawa (Japan): Island taken by USA in

WW II, returned to Japan, 1972.

Oklahoma City (USA): Terrorists bombed a

government office building in 1904, killing 168 people. Olduval Gorge (Tanzania): Rich archaeo-

logical site, where fossils and paleolithic implements were found. 'Homo habilis' was discovered by the Leakeys. Some 'Homo erectus' remains too found here.

Oudh (U.P): Former province of British India. Its annexation by Britain (1856) was a cause of the Indian War of Independence in 1857.

university, one of the oldest in Europe, dating from the 12th century.

Palam (Delhi): Palam airport now used for

Oxford (UK): City on the Thames. Oxford

Palam (Delhi): Palam airport now used for national air services.

Palermo (Italy): Port, capital of Sicily.

Phoenicians founded it in 8th BC.
Palembang (Indonesia). Port. It was capi-

tal of a Hindu Sumatran kingdom of 8th c.

Palitana (Gujarat): On Shatrunjaya Hill, there is an amazing spectacle of a cluster of 863 Jain temples, dating to 16th c.

Panama (Central America): Occupies the Isthmus of Panama, the strip of land that links North and South America. USA built the Panama Canal, connecting the Atlantic and Pacific Oceans. In 1903 US got sovereignty over the Panama Canal Zone. Political turbulence tormented Panama for long. USA interfered on several occasions.

Panipat (Punjab): Three battles of Panipat (1526, 1556 & 1761) were important milestones in the history of the Mughal Empire.

Panají (Goa): Capital at the mouth of the Mandovi river. Portuguese viceroy moved here following epidemics of Old Goa. In 1843 it •Paris (France): Capital. Treaty of Paris (1761-3) ended Seven Years' War. Paris Peace Conference held after WWI. Hq.of UNESCO, etc.

became the official capital of Portuguese ter-

ritories in India.

A main world tourist centre, centre of high fashion and luxury goods. Louvre, Eiffel Tower, Elysee Palace, Paris University (1170) etc.

Paros: Greek island in the Aegean Sea, famous for its white translucent marble used in sculpture.

Parose (Greece): Island, Apostlo, St. John

Patmos (Greece): Island. Apostle St.John lived here for two years.
Patna (Bihar): Capital, formerly known as

Pataliputra. A great Asian city in the days of Maurya and Gupta empires. Pearl Harbour (USA): Naval base was

bombed by Japan on Dec.7, 1941. This brought USA into WW II.

Pedra Furada (Brazil): Rock shelter, believed

to be the earliest human settlement in the Americas. Penang (Malaysia): First British settlement

in Malaya. Capital Pinang was formerly George
Town.

Pentagon (USA): A huge five-sided building in Arlington. Hq of US Defence Dept. It was world's largest office building (34 acres) when completed. On Sept.11, 2001 part of the building was destroyed by terrorists who crashed an aircraft into Pentagon. Perak (Malaysia): One of the wealthiest

states, after tin was discovered in the 1840s.

Pergamum (Asia Minor): Ancient city, was

capital of the Attalids.

Persepolis (Iran): Palaces and graves of the

Achaemenid rulers of Persia are here in the mountains. Sacked by Alexander the Great (331BC).

Peter and Paul Fortress (Russia): A stronghold founded by Peter the Great (1703) on an island. St. Petersburg sprang up around it. A museum.

Piltdown (UK): Fossilised skull fragments 'discovered' in 1912 in Piltdown, Sussex, were believed to be the earliest human remains found in Europe. 'The Piltdown Man' was a hoax, it was known 40 years later.

Pitcalm Island (S. Pacific): One of a small group of islands, UK overseas territory. Area is 4.6 sq.km. and population only 48.

Pittsburgh(USA): The British took Fort Duguesne (built by the French) and renamed it Fort Pitt (1758). Third largest US corporate hg.

Plymouth (USA): Site of the first permanent European settlement in New England founded by the pilgrims in 1620. A tourist destination.

Polish Corridor (Poland): A belt of land that separated Prussia from the rest of Germany and was granted to Pland in the Treaty of Versailles (1919). Annexed by Germany (1939), returned to Poland (1945).

Pompeli (Italy): Ancient city at the foot of Vesuvius, which erupted in AD 79 covering the city with ashes and pumicestone 6-7m.

Pondicherry (South India): The former capital of French territories in India, Established by Francois Martin in 1674. Aurobindo Ghose, poet and philospher, lived here. The Mother (Mivra Alfassa) was inspired by him. The Aurobindo Ashram here is an important landmark. Auroville (the City of Dawn) is 8 km. from here.

Porbandar (Gujarat): Mahatma Gandhi's birthplace.

Potsdam (Germany): That is where Churchill, Truman and Stalin met for the conference in 1945

Prayag (U.P): Some 20 m. Hindu pilgrims gathered here for 'half Kumbh Mela' festival in 1995 - the largest religious crowd.

Prussia (Germany): The most powerful German state in 19th c. It disappeared when Germany was divided after 1945. Frederick Willism (the Great Elector) and Frederick William III, King of Prussia (1797-1840) were great personalities.

Pune (Maharashtra): Industrial city. The

monsoon capital for the Section in the 1988 to National Defence Academy, Gu y Intervational commune and Raigad Ford are around 1 It was the cupital of Maratha empire in 1723. 1817. The Aga Khan palace where Cande a was imprisoned for two years is to the room of Pune.

Puri (Onssa): A leading p ligrimage contre Jagannath Temple (12th c.) is a magnificent structure. Its beach is exceptionary beautiful

Quezon City: City in Philippines man ed for President Manuel Quezon who selected the site. Capital between 1948 and 1976.

Rajghat (Delhi) Where Mahatma Canary, the Father of the Nation is laid to rest.

Rameswaram (Tamil Nado): Island, hely place. Lord Rama is believed to have wershipped Sival Pilgnms to Varanasi are expected to visit Rameswaram next. Dhanush kodi, at the tip of the peninsula is considered particularly holy.

Ramoji Film City (A.P): One of the best equipped film studios in the world.

Rhodesia (Africa): Modern states. Zarababwe and Zambia constitute the old Rhodesas named after Cecil Rhodes.

Riga (Latvia): Capital, seaport, under Germany in WWII.

Rijeka(Croatia): Croatia's largest port, was naval base of Austro Hungarian empire ಆಗರಿ 1918. Ceded to Italy in 1924 and to ಗಟ್ಟಬಳಿತ. via in 1947.

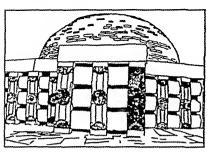
Ripon (UK): Reckoned to be England's second oldest town.

Roanoke Island (USA). Off the coast of he Carolina. Site of the first English reliance in North America.

Rome (Italy): Capital, it was the capital of the Roman empire, which extended to co. in nental Europe. Reached the highest point of glory in 1st and 2nd centuries. If my correct of Holy Roman Empire. The seat of Fapace Vatican City is within Rome.

Salzburg (American Birthele mot Marth)

SanchilM



Sanchi, M.P.

known for the Great Stupa, one of the largest in India.

San Francisco (USA): Californian city. Formerly Yerba Buena, renamed in 1848. Golden Gate Bridge is one of longest single-span suspension bridges. Terminus of the first transcontinental railway (1869).

San Marino (in Italian territory): Small enclave of 61 sq.km. An independent republic.

Sao Paulo (Brazil): Founded in 15S4, city in 1711. Brazilian independence was declared here in 1822 by Emperor Pedro I.

Sapporo (Japan)City, ski resort: Hokkaido University here. Site of 1972 Winter Olympics.

Sarajevo (Yugoslavia): WWI had its beginherewhen in 1914 the Archduke of Fancis
(Ferdinand of Austria-Hungary was assassinated by a Serb. It was the focal point of civil war after 1992, with refugees coming into Sarajevo. Hosted 1984 Winter Olympics.

Samath (U.P): An important Buddhist centre. The Buddha gave his first sermon here.

Saskarchewan(Canada): Prairies of this province supply two-thirds of Canada's wheat,

Serengeti(Tanzania): National Park (14,500 sq.km) on the southeast shores of Lake Victoria.

Sevastapol (Ukraine): Seaport city. In Crimean War, Anglo-French forces besieged it (Tolstoy's Sevastopol Sketches).

Shah Jahanabad (Delhi): This is Old Delhi (the 7th City) built by Shah Jahan (17th c.).

Shanghal(China): Largest city, seaport, industrial, cultural, educational centre. Sharpeville: South African townshi 80km from Jo' burg where 69 peaceful demonstrators protesting the Pass Laws wer killed by the police, March 21, 1967. S. Africa new constitution was inaugurated here, 1996

Sheba (Southern Arabia): Ancient kingdor (Biblical). Covered present day Yemen. Regio of great wealth in 6th & 5th c. B.C. Queen of Sheba who visited Soloman the Wise.

Sheffield(UK): City famous for cutlery manufacture.

Shenyang (China): The city was known a Mukden. In 1905, the city fell to the Japanese In the Mukden (Manchunan) Incident (1931 Japanese used an explosion on the railway a an excuse to occupy the city, and then Manchuna.

Sherwood Forest (UK): The legendary 13tl c. outlaw Robin Hood lived in Sherwood For est in English North Midlands.

Shillong (Meghalaya):Capital, sometime called 'the Scotland of the East'. The home of the matrilineal Khasi tribe. A hill station.

Shimla (H.P.): The summer capital of Indi from 1864 until independence. It was one part of the Nepali kingdom.

Siberia (Russia-Kazakhstan) Land of ricl minerals and extremely cold climate. For long a place of exile for Russian criminals. Trans Siberian Railway (1891-1905) is the longes in the world (9335 km).

Sinal (Egypt): Triangular peninsula betweet the Suez Cananl and the Gulf of Suez. Rich in petroleum and manganese. Has had vital role in Arab Israeli relations. Mount Sinal is important to Jews, Muslims and Christians.

Sitamarhi (Bihar): Commercial centre, sit of Bihar's largest cattle fair. Sita (Hindu my thology), wife of Rama, was found near by her father King Janaka.

Sonepat (Haryana): Mentioned in the Mahabharatha as Shonaprastha. A leading manufacturer of bicycles.

Sonepur (Bihar): Venue of Asia's largest live stock fair.

Stirangapattana (Kamataka): An idend forress in the Kaweri river. Site of battles between the British and Tipu Sultan, In 1799. Tipu was used by the British.

Spratly Islands (South China Sea): krategicelly important archipelago claimed rarioustly by China, Malayria, Philippones, Talvan and Vicetnam.

St.Helena (U.K): In S.Atlanto, Island where Japoleon was excled 1815-21.

St. Louis(USA): HQ of World Agricultural forum. Associated with the great humorist Mark Twaln. Charles Lindberg of his skele-al airplane "The Spirit of St.Louis" from here.

Strasbourg(France): Seat of the Council of Europe. EU's parliament meets here.

Stratford-upon-Avon (UK): William hakespeare's place of birth, and death.

Stromboli (Italy): A 3038 feet high voicano rom which lava flows continuously. It attracts ourists to the island.

Sumer (ancient Mesopotamia): Site of an kd civilisation, dating back to 5th millern...m i.C. Sumerians invented cuneriorm writing, wheeled vehicles and the plough.

Tawang (Arunachal Pradesh): Tawang monstery, where the sixth Dalai Lama was born, the second oldest Buddhist monastery in the world after Lhasa, and the largest in India.

Tehran (Iran): Capital, Became capital in 788. Tehran Conference of Roosevelt, Ihurchill and Stalin to coordinate Alled strategy in WWII (1943).

Tel Aviv-Jaffa (Israel): Tel Aviv was originally is suburb of Jaffa. Towns separated in 1921. When captured by Jewish forces in 1949, almost the entire Arab population fled Jaffa. Jeunited Tel Aviv-Jaffa in 1950. UN recognises fel Aviv as capital.

Tema(Chana): Port. Africa's largest mannade harbour is here (1968).

Temple Emanu-El (New York): The world's siggest synagogue (3523 sq.m.)

Terre Adelie (Antarctica): It is the only



Banai Tempia, New Delri

French territory in Anturctical it has a review on station.

Tewkenbury (UK): It was at the Same of Tewkenbury in the Wars of the Ruses that the Yorkists finally, diffeated the Lancauthairs.

Texas (USA): Major agricultural region and crief oil and natural gas producer. Dallay, a major commercial and trading centre, und Houston a space centre.

Thanjavar (Tamil Nadu): The capital of three powerful dynasties-Cholas (Fin-13th c.), Nayakas (1535-1676), and Marsthas (1675-1855). The greatest Chola monument is the Enhadishvara Temple. Culture extends to music and donce.

Than (S. Asia): Desert known as Creat the dain Desert, About 320,000 sq. km. of and region in north-west lineal and east Paustan.

The Hague (The Netherlands): Seat of the Dutch government, Hig of International Court of Justice.

Thermopylae (Grecee): A pass in earliern Greece, the scene of Battle of Thermopylae (the Persian Wars), 480 BC-unsuccessful defence by Spartura against the Fernans

Tikal (Guatemala) Ancient Mayan City which was settled in 250 BC. Abandoned by AD 900

Timboktin (Mai) A centre of Mulim learning, 1400-1600 a munical for them and good presently sait as its main training commodity.

Truchingpaid (Turd hads) Studied at the head of the Kaven delta, Staungam Tengue Complex (urea 63 1 hat, persister, 111 carr), world's biggest funds temple is liere.

hi (A.P.): Site of Shri Venkatesh-wara he most popular Hindu pilgrim desl'here are 6000 employees to run mage centre, whose income is about (Peru-Bolivia border): World's high-

: 3B10 m. core (Kerala): Former princely state, of Kerala. After Independence it vith Cochin and later Malabar was make Kerala.

(N-E India): It is believed to have n Mahabharata times. Ruled by of Mongolian origin. Tagore's play based on Manikya legends.

ur (Rajasthan): Capital of the State of Udaipur (1568). A walled Pichola is to the west. A palace a refuge for Mughal emperor Shah hen he revolted against father

(M.P.): One of Hinduism's seven sa-

s and one of the four centres of the

fela. Poet Kalidasa wrote some of his

re.
lator (Mongolia): Capital. Centre of
tween China and Japan in 17th c.
ongolia declared independence in
en Ulan Bator became capital.

(Ireland): Historical province. Northnd partitioned in 1921, six couned Northern Ireland. Three countries province of Ulster in the Irish Repub-

ntre, with university and cathedral bs of king Grustavus Vasa. q) : Ancient city of Sumer. Jewish

Abraham s' home.

it (The Netherlands): Treaties of 1713-14)ended the War of Spanish

n.
I (Bihar): It was capital of Licchavi
of ancient times. Mahavira's birth-

a (Sweden): City known as educa-

Vancouver Island (Canada): The largest offshore island on the west coast of North America. Vancouver is Canada's third largest city and its chief Pacific port. Varanasi (U.P): A major pilgrimage centre

in India. Formerly Benares. Sarnath, where the Buddha preached first is nearby. Varanasi has 1500 temples. Vatican City (within Italy): The smallest in-

dependent country in the world. Area is 0.44 sq.km. The Pope is the Head of State.

Vellore(T. Nadu): Important city in 17th-18th c. Maratha, Muslim and British wars. Fort is notable. One of India's best hospitals (Christian Medical College) is here. Vellore Mutiny of 1806 was an outbreak against the British by South Indian troops.

Venice (Italy): City, Port. Capital of Venetia and of Venezia. Built on 118 islands, with 170 canals, 400 bridges. It was a rich medieval maritime republic founded in 5th c. Venetian Republic in 15th c. Territories lost to Turks, republic fell to Austria. Excellent centre for art and architecture (the Byzantine cathedral of St.Mark).

Versallles (France): Venue of the peace treaty signed in 1919 between Germany and Allied powers. Versailles war.

Vicksburg (USA): On the Mississippi. The site of a siege in American Civil War that ended in the Confederate surrender, 1863.

Victoria Peak (Hong Kong): The principal peak on Hong Kong Island, named after Queen Victoria.

Vienna (Austria): Capital. It was the seat of the Habsburgs (1278-1918) and the residence of the Holy Roman emperors (1558-1806). A cultural centre in 18th and 19th c. with associations with composers like Haydon, Mozart, Beethoven, Schubert and the Strauss family. Vienna was jointly occupied by the Allied Powers 1945-55. The conference of European powers after the fall of Napoleon in 1814-15 is known as the Congress of Vienna.

Vijayanagar (S. India): Empire in southem

India in the 14th century. The city of Vijayanagar was destroyed by Muslims who defeated Vijayanagar at the Battle of Talikota, 1565.

Vinson Massi (Antarctica): A mountain peak. One of the Ellsworth Mountains. At 5139 m., it is the continent's highest point.

Visakhapatnam (A.P): Largest shipyard in India, second busiest port after Mumbai. Once part of Ashoka's empire.

Waco (USA): Headquarters of David Koresh's Branch Davidian religious cult. An FBf storming after a 51-day siege killed Koresh and 70 followers, in April 1993.

Wallonia (Belgium): The French-speaking region of southern Belgium.

Wall Street (USA): Street in Manhattan, N.Y.City, where the New York Stock Exchange is located.

Warangal (A.P.): Ancient capital of the Kakatiyas, a dynasty of 12th c.

Wardha (Maharashtra): Town at 8 km from Sevagram. Gandhiji lived here for 15 years. Hg.of India's national movement.

Warsaw (Poland): Capital. It was occupied by Germany in both World Wars.

Washington D.C. (USA): Capital of USA, on the east bank of the Potomac river covering the District of Columbia.

Waterloo(Belgium): Where the Battle of Waterloo, the final defeat of Napoleon, took place in 1815.

Watergate (Hotel complex in Washington): Known for Watergate affair, the US political scandal that ended in President Nixon's resignation. The attempted burglary took place in Democratic Party hq. in Watergate building.

West Bank: Palestinlan territory west of the River Jordan. Jordan claimed it from 1949 to 1988. Israel has occupied it since 1967. Israeli troops withdrew in 1993.

Westminster Abbey (London, UK): The burial place of 18 monarchs. Its Poet's corner is here.

White House (USA): Official residence of US President in Washington, D.C.

Wimbledon (U.K.): A suburb of London, at All England Club, and Icremost champion disp on grass - All England Lawn Terrus Champso onship is played.

Windsor Castle (Uk): British regal residence in southern England. The complex is cludes the burial place of 10 monarchs.

Winnipeg (Canada): The major city of the Canadian prairies, it has one of the world's largest wheat markets.

Wittenberg (Germany): Associated with the beginning of the Reformation, 1517, Martin Luther nailed his 95 theses to the doors of Schlosskirche.

Woodstock (England): Town with a palace where Elizabeth I was imprisoned by Mary Lin 1554.

Woodstock (New York): Town that was site of a famous rock music festival in 1969.

Worcester (UK): Country town on nect Severn which was the site of Cromwell's defeat of Charles II and the Scots in 1651.

Yale (USA): One of the oldest American universities, founded in 1701 as a college Named in 1716 after Elihu Yale who donated his books to the college.

Yalta (Ukraine): Port on the Black Sea. Crimean resort, the site of Yalta Conference (1945) attended by Roosevell, Stalin and Churchill.

Ypres (Belgium): Known for the battles of WWI fought around Ypres, in 1914, in 1915, in 1917.

Yumen (Tibet): The least populous town Three residents. The town has a turning p Government

Zagreb (Croatia) Capital It has a Cett. c cathedral and a university founded in 1669.

Zanzibar (Ainca) Island in the Indust Occur. part of Tanzania. World's largest people of doves

Zaragoza (Spain): Scr against the French in the !

annio prodiciona

_{igs} in China against Europeto 1 of Italy murdered by mmonwealth of Australia creformulates quantum theory.

Nictoria dies; succeeded by her ı; Rabindranath Tagore founds an school; Oil drilling begins in

5. acquires perpetual control over

_{nal}; Aswan Dam opened. _{ne} Russian Social Democratic Party

Mensheviks and Bolsheviks; Orville ur Wright successfully fly a powered Henry Ford, with capital of \$100,000,

he Ford Motor Company.

4 Russo-JapaneseWar, Church and state ted In France; Rolls-Royce Company ed; First telegraphic transmission of pho-

905 Port Arthur surrenders to Japanese;

nonstration in St. Petersburg brutally crushed police ("Bloody Sunday"); First partition of

1906 U.S. troops occupy Cuba (-1909); heodore Roo-sevelt, on first trip outside U.S. by a president in office.

1907 Panic of 1907 causes run on banks, stopped by J.P. Morgan's importation of \$100 million in gold from Europe; Ross Hamson develops tissue culture techniques; Badenpowell founds Boy Scout movement. Triple

Entente.

1908 Union of South Africa established; Earthquake in southern Calabria and Sicily, 150,000 killed; General Motors Corporation

1909 U.S. explorer Robert E. Peary reaches

the North Pole; Girl Guides established in Brit-

1910 Union of South Africa becomes a dominion within the British Empire with Botha as premier; Japan annexes Korea; Revolution in ain.

1911 Chinese Republic proclaimed Portugal.

Manchu dynasty falls (in power since 1644

Sun Yat-sen elected president; Roald Amunds reaches the South Pole, Rutherford's ato theory; Delhi made capital of India.

1912 Sun Yat-sen fo-unds Kuomintang (Chinese National Party); Titanic sinks on her maiden

voyage after colliding with an iceberg: 1,513

1914 World War 1 begins; U.S. Court decides patent suit on airplanes in favor of Wright drowned.

brothers against Glenn Curtiss; Panama Canal

1915 Albert Einstein postulates his General Theory of Relativity; First transcontinental teleopened.

phone call between Alexander Graham Bell in NewYork and Dr. Thomas A. Watson in San

Francisco. Gandhiji retums to India. 1917 October Revolution in Petrograd; The

Allies execute dancer Mata Hari as a spy; U.S. Government purchases Dutch West Indies. 1918 Woodrow Wilson propounds Fou

teen Points for World peace; End of first Wor War, Women over 30 get the vote in Brita World-wide influenza epidemic, 22 million de

1919 President Wilson presides over League of Nations meeting in Pans; Berm-Mussolini founds Fascist party; Afghanistan fully

independnet. Treatry of Versailles.

1920 League of Nations comes into being; Earthquake in China claims 200,000 victims; End of Russian Civil War; Khilafat movement.

1921 Takashi Hara, Premier of Japan, assassinated. Breakaway Chinese government under Sun Yat-Sen.

1922 Mussolini forms Fascist government: John Harwood invents a self-winding wristwatch; Mustapha Kemal proclaims Turkey a republic: Soviet States form U.S.S.R: Ulysses published.

1923 Centres of Tokyo and Yokohama destroyed by earthquake, 120,000 dead; Ankara replaces Istanbul as capital of Turkey.

1924 First elections in Italy under Fascist methods; 65 per cent favor Mussolini; Insecticides used for the first time.

1925 Hitler reorganises Nazi Party (27,000 members) and publishes vol. 1 of "Mein Kampf"; Scotish inventor John Logie Baird (1888-1946) transmits recognisable human features by television.

1926 General strike called in Britain; Republic of Lebanon proclaimed; Kodak produces the first 16 mm movie film.

1927 "Black Friday" in Germany - the economic system collapses; I. P. Pavlov: "Conditioned Reflexes"; Broadcasting begins in India.

1928 J. L. Baird demonstrates color T.V.; Alexander Fleming (1881-1954) discovers penicillin; Indian physicist C.V. Raman discovers the Raman elfect; Brazil's economy collapses owing to over-production of coffee; First color motion pictures exhibited by George Eastman.

1929 U.S. Stock Exchange collapses; World economic crisis begins; Lateran Treaty establishes independent Vatican City; Round Table Conference between Viceroy and Indian leaders. E. Hubble discovers the universe is expanding.

1930 Name of Constantinople changed to Istanbul: Planet Pluto discovered.

1931 Empire State Building of New York is completed.

1932 Franklin D. Roosevelt wins U.S. presidential election in Democratic landslide; James Chadwick discovers the neutron. Sand Arabic established.

1933 Adolf Hitler appointed German Chan-

cellor. The first concentration camps exected by the Nazis in Comany,

1934 Hitler and Mussolmi meet in Venice. Long much by Chinese Community

1935 Radar equipment to detect aggraft built by Robert Watson Walt; Persa changes as name to Iran. Ethiopia occupied by Italy.

1936 Mussolini and Hitler proclaim Forne-Berlin Axis: Anti-Comintern Pact signed by Germany and Japan; Ford Foundation established.

1937 Japanese seite Peking, Tientun, Shanghal, Nanking and Hangchow, Chiang Kal-shek unites with Communists, led by Mao Tec-tury) and Chou En-lai; The first jet engine built by Frank Whittle: Picasso paints Guernica.

1938 Japanese enter Tsingtao, install Chinese puppet government in Nanlang, Lagas Biro (Hungary) invents ballpoint pen. German people's car Voldks-wagen made.

1939 World War II begans: Cermany asvades Poland and annexes Danzing Bota o अन्त France declare war on Cermany, Paul Musier synthesises DDT; Igor Sikonky constructs fast helicopter

1940 Germans invade Russia; Japanese bomb Pearl Harbor, Germany and Italy declare war on U.S.; U.S. declares war on Germany and Italy, Donald Bailey invents the portable multary bridge; Germany begins exterminating lews.

1941 VAV II reaches N. Alnea: Fetueum isolated by Florey and Chain. Citizen have released.

1942 Japanese Capture Singapore and Rangoon; Americans defeat Japanese, The Isst automatic computer developed in the U.S. Millions of Jews are in Nati gas characters, Qua India Movement

1943 Mussolini dumased. Alles an administra Churchill, Stalin and Rootevet hold Telegran conference.

1944 Di-Day bindings on Normanidy judge to Contacted 1836 first flying-bomb Aligh is Vietnam

· Stung

- 1945 Yalta Conference; Mussolini killed by talian partisans; Hitler commits suicide; U.S.
- drops atomic bombs on Hiroshima (Aug. 6) and Nagasaki (Aug. 9); Japan surrenders; End of
- World War II; UN formed; IBRD ("World Bank") ounded: Shimla Conference.
- 1946 UN General Assembly holds its first
- session in London; Albania, Hungary and Bulgaria become independent states; Xerography
- process invented by Chester Carlson. 1947 India and Pakistan proclaimed inde-
- pendent; The Dead Sea Scrolls, dating from approx. 22 B.C. to A.D. 100, are discovered; Supersonic Bell XI plane breaks the sound barrier. 1948 Mahatma Gandhi assassinated (b.
- 1869); U.S. parliament passes Marshall Plan Act for the reconstruction of post war Europe; The
- lewish state of Israel comes into existence; Integration of Indian princely states.
- 1949 Communist People's Republic of China proclaimed under Mao Tse-tung, North Atlan-
- tic Treaty signed in Washington; German Federal Republic and Democratic Republic of
- 1950 India becomes a Republic; N. Korean forces invade S. Korea and capture Seoul; UN forces land in S. Korea and recapture Seoul.

East Germany established.

hydrogen bomb.

- 1951 King Abdullah of Jordan assassinated in Jerusalem: Colour television is introduced in U.S.
- 1952 King George VI of England dies; succeeded by his daughter, Queen Elizabeth II. 1953 U.S.S.R. explodes hydrogen bomb;
- Edmund Hillary and Tenzing become the first to climb Mount Everest.
- 1954 Nasser seizes power in Egypt; becomes premier and head of state; Southeast Asia Treaty Organization (SEATO) established; U.S. tests
- 1955 Italy, W. Germany and France establish European Union; The Vienna Treaty restores Austria's independence.
- 1956 Sudan proclaimed independent republic; Pakistan becomes Islamic republic; Egypt seizes Suez Canal; Nehru-Tito-Nasser confer-

- ence in Yugoslavia; Oral vaccine developed by Albert Sabin against polio.
- 1957 UN reopens Suez Canal; U.S.S.R. lanches Sputnik I and II, first earth satellites.
- 1958 Egypt and Sudan join to form the United Arab Republic with Nasser as president; NASA established.
- 1959 Fidel Castro becomes Premier of Cuba: De Gaulle proclaimed President of the Fifth Republic in France; Bandaranaike, Presi-
- dent of Ceylon, assassinated; Dalai Lama leaves Tibet. 1960 Brezhnev becomes President of the USSR; Cyprus becomes independent republic; John F. Kennedy elected U.S. President.
- 1961 Berlin Wall built. 1962 Cuban missile crisis; Manilyn Monroe dies.
- 1963 U.S. and U.S.S.R. agree on "hot line" from White House to the Kremlin; Nuclear test ban signed by U.S., U.S.S.R., and Great Britain; First woman in space - Valentina Teresh-kova;
- President John F. Kennedy assassinated. 1964 Kenneth Kaunda becomes President Zambia; Kenya becomes republic. 1965 Winston Churchill dies (b. 1874);
- Gambia becomes independent. 1966 Indian PM Lai Bahadurer Shastri dies; Indira Gandhi becomes PM; Soviet spacecraft
- Luna 9 and U.S. spacecraft Surveyor I make soft landing on moon and transmits thousands of images of the terrain; 1967 Hanoi attacked by U.S. bombers; Six-
 - Day War between Israel and Arab nations begins; China explodes its first hydrogen bomb; Dr. Christian N. Barnard performs the world's first human heart transplant. 1968 Mauritius becomes independent; Mar-
 - completed. 1969 The Concorde, supersonic aircraft makes its first test flight; Neil Arm-strong steps out on the moon.

tin Luther King, Jr. is assassinated; Aswan Dam

1970 Venera 7, unmanned Soviet spacecraft, lands on Venus; Assassination attempt on Pope Paul VI in the Philippines; Cyclones and floods kill 500,000 in Pakistan.

1971 Fighting in Indochina spreads to Laos and Cambodia; U.S. conducts large-scale bombing raids against N. Vietnam: Idi Amin establishes himself as Ugandan strongman.

1972 Bangladesh established as sovereign state; Sheik Mujibur Rahman named Prime Minister; "Watergate" scandal in USA.

1973 Great Britain, Ireland and Denmark formally join the Common Market; Fighting breaks out in the Middle East between Arabs and Israelis

1974 India becomes the sixth nation to explode a nuclear device; Great Britain, France and China conduct nuclear tests; Watergate impeac-hment, Nixon resigns.

1975 PM Sheikh Muiibur Rahman of Bangaladesh assassinated; South Vietnam surrenders to the North Vietnamese Communists; Mrs. lunko Tobei, becomes the first woman to climb Mount Everest.

1976 The death of Zhou Enlai and Mao Zedong: A bloodless military coup deposes president Isabel Peron of Argentina; North and South Vietnam reunited.

1977 Violent student riots in Italy; Morary Desai replaces Indira Gandhi as first non-Congress pime minister of India; In Pakistan, Gen. Zia ul-Hug ousts prime minister Bhutto; The neutron bomb is developed.

1978 A Revolutionary Council seizes power and establishes a new government based on Islamic principles in Afghanistan; Death of Pope Paul VI. Albino Luciani succeeded him as John Paul, he also dies and Cardinal Karol Wojtyla of Poland (first non-Italian Pope since 1523) succeeds; Camp David agreement.

1979 Vietnamese troops and Cambodian rebels capture Phnom Penh and overthrow the Pol Pot regime; China invades Vietnam; Egyptian President Sadat and Israel PM Begin sign a peace treaty; Zulfikar Ali Bhutto is executed.

1980 Vietnam invades Thailand by way of

Cambodia: War breaks cut in the Persian Cut as frag invades fran.

1981 President Ziaus Rahman of Burigias, di is shot dead; President Anwar Cazat of Egyptics assassinated; AIDS is officially recognized for the first time in USA.

1982 in Bangladesh a military coup by Et. Gen. Ershad; The Vatican and Ukreetta Cupity: diplomatic relations: Introduction of the supercomputer Cray I.

1983 Benigno Aquino of Fhilippines assaultnated; President Reagan announces the "Star Wars" programme,

1984 Indian PM India Canari is assaultnated, succeeded by son Rajiv Gandhi, Emphal gas tragedy.

1985 Death of Soviet premier Chemenka, Mikhail Gorbachev succeeds him; Salva pelexperts locate the wreck of the slip Titural

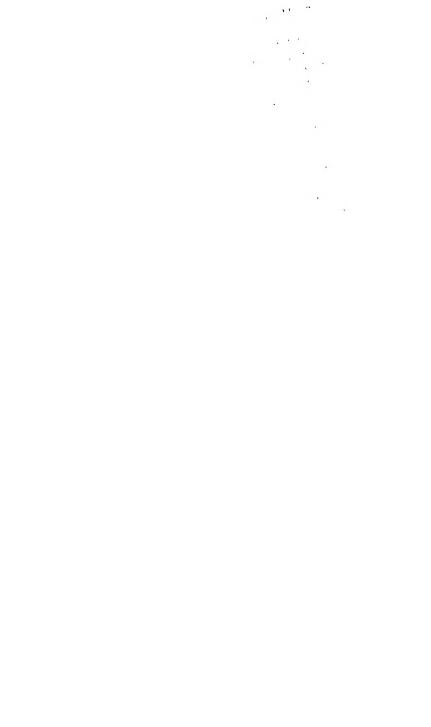
1986 Swedish PM Olaf Palote is assure nated: Chemobyl nuclear disaster, Michael Gorbachev institutes his policy of Claumost

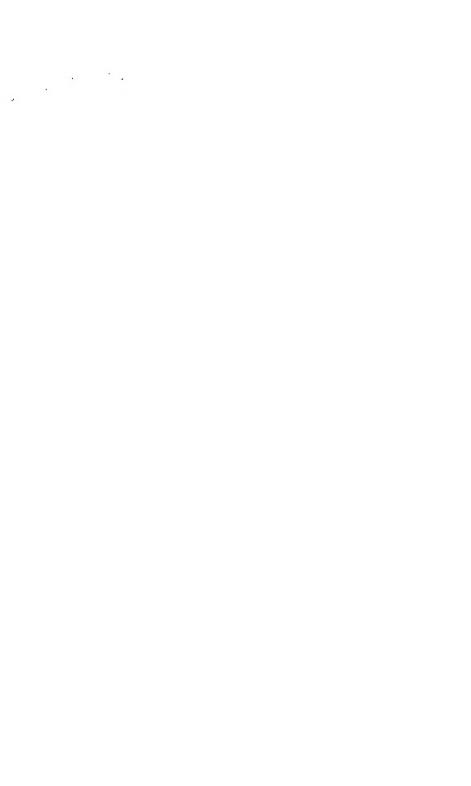
1987 In Czechoslovalus far reactioning positical and economic reforms. Workhaute titles exchange crash; Class fiber cable is and acrass the Atlantic Ocean.

1988 Pakistani Premier Con Zui Liedana plane crash, succeeded by the first woman leader of a Muslim country. Berusas Enutto. Mikhal Gorbachev appointed president of USP

1989 in China 3,000 students begin a hum ger strike in Tiananmen Square in Be jing wii 421 was brutally crushed by the Cost. The decor wall is opened, Dictator Nicolae Ceasurcca's brutal regime is overthrown in Romania, he is captured, and executed.

1990 Armenia, Lithuania and Latina declare independence from USSR Wag enables Benazir Bhutto is sixted by Pas president Gulan Ishaq Ahari Georgal (Gulan cation, The Cold Warefleader outs at 12 heads of state of the flattill and Warran Fact countries sign व एटक्ट्र कर्राटी प्रवेशन के वृत्रक duces conventional weapons, website Mandel*





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	India's Republic Day, International Customs Day
nuary	30 Martyrs' Day; World Leprosy Eradication Day
•	
	orld Disabled Day; World Consumer Rights Day
	World Forestry Day
	Day for the Elimination of Racial Discrimination
	World Day for Water
	World Meteorological Day
March 24	World TB Day
	Day for Mine Awareness; National Maritime Day
	World Health Day
	World Haemophilia Day
pril 18	World Heritage Day
pril 21	Secretaries' Day
	Earth Day
	World Book and Copyright Day
	Workers' Day (International Labour Day)
rst Tuesday of May	
fay 3	Press Freedom Day; World Asthma Day
	Mother's Day
	World Red Cross Day
1ay 9	World Thalassaemia Day
1ay 11	National Technology Day
lay 12	orld Hypertension Day; International Nurses Day.
lay 13	International Day of the Family
шу 17	World Telecommunication Day
anorama Yearbook 2007	

..... NRI Day

May 24	Controller Day
May 31	
June 4Intern	ational Day of Innocent Children, Victims of Agreemen
June 5	World Environment Day
June 3rd	Sunday: Father's Par
June 26 Into	emational Day against Drug Abuse and took Traffickers
June 14	
July 1	Doctor's Day
July 11	World Population Day
	International Friendstap Day
	World Senior Causen's Day
	Quit India Day, Nagasala Day
_	Intl.Day of the World's Indigenous People's
•	Photography Day
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	Coccout Day
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	Engineers' Day
September 16	World Ozone Day
Sentember 21	Alzheimer's Day; Day for Peace & Non-violence (UN)
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December 23

Region/Country

Congo

Angola

December 1	World AIDS Day
December 3	
	Navy Day
December 7	Armed Forces Flag Day
	Human Rights Day; Intl. Children's Day of Broadcasting
December 18	Minorities Rights Day (India

...... Kisan Divas (Farmer's Day

Dominican Rep. Central America

Observer Group

America

May 1965 - Oct. 1966

Nov 1989 - Jan 1992

Oct.1999 - May 2002

Feb.1992-Mar.1995

Mar 1995- Jan. 1996

Jan 1996 - Jan 1998

Jan 1998 - Oct. 1998

Mar.1995 - Feb. 1999

Europe

Bosina & Herzegovina Dec.1995-Dec.2002

July 1960 - June 1964

Dec. 1988 - May 1991

Africa

C. African Republic Apr 1998 - Feb 2000

Mideast

Emergency Force Nov. 1956 - June 1967

June-Dec.1958

July 1963 - Sept 1964

Oct1973- July1979

Aug.1988 - Feb.1991

Duration

		El Salvador	July 1991 - Apr 1995
Namibia ,	Apr.1989 - Mar 1990	Haiti	Sept 1993-June 1996
Angola	May 1991 - Feb 11995	Haiti	July 1996 - July 1997
Somalia	Apr 1992 - Mar 1993	Guatemala	Jan - May 1997
Mozambique	Dec. 1992 - Dec. 1994	Haiti	Aug - Nov. 1997
Somalia	Mar 1993 - Mar 1995	Haiti	Dec.1997 - Mar. 2000
Rwanda / Uganda	June 1993 - Sept.1994		
Liberia	Sept.1993 - Sept 1997	and the second continues to th	\sla
Rwanda	Oct.1993 - Mar 1996	West New Guinea	Oct.1962 - Apr.1963
Chad/Libya	May - June 1994	India / Pakistan	Sept 1965-Mar 1966
Angola	Feb 1995 - June 1997	Afghanistan/Pakistan	May 1988 - Mar 1990
Angola	lune 1997 - Feb 1999	Cambodia	Oct.1991 - Mar 1992
Sierra Leone	July 1998 - Oct. 1999	Cambodia	Mar 1992 - Sept 1993
C African Republic	An- 1000 - 5-k 2000	Tajikistan	Dec.1994 - May 2000

East Timor

Croatia

Croatia

Croatía

Former Yugoslavia .

Former Yugoslavia

Rep. of Macedonia

Middle East- 1st UN

Middle East-1st UN

Emergency Force

Lebanon

Iran/Iraq

Yemen



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Shivraj Patil P.A. Sangma	1970-1973
P.A. Sangma	2027 2004
G.M.C. Balayogi Manohar Joshi	
Manohar Joshi	From June 4, Alasta
Somnath Chatterjee	
Chief Justices	1950-1951
Harilal J. Kania	1951-1954
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K. N. Wanchoo M. Hidayatullah J. C. Shah	1970-1971
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S. M. Sikri	1977-1975
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Y. V. Chandrachud	1936.1953
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Maharaj Rajendra Sinhii I.S. M. Srinagesh Jak K. S. Thimayya Sal R. N. Thapar			1961-1962
. ndra Sinhji ·			1962-1966
Maharaj Rajendra Sinhiji I.S. M. Srinagesh	*********	***************************************	1966-1969
Maharaj Rajerra I.S. M. Srinagesh			1969-1972
I S. M. Srinages Jal K. S. Thirnayya	***********		
al K. S. Thirnay) ral R. N. Thapar ral J. N. Chaudhuri reral P. P. Kumaramangalari reral S. H. F. J. Manekshaw heral S. H. F. J. Manel d Marshal S. H. F. J. Manel eneral G. G. Bewoor	*************		1973-1975
ral I. N. Chauonumangalam	3		1975-1978
oral P. P. Kumarannekshaw	************		1978-1981
oral S. H. F. J. Manel	shaw		1981-198
Marshal S. M. F. I			1983-1986
neral C. C. Bewood			1986-1986
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aneral O. P. Mailion Rao .			1990-1993
general K. V. Khanin		*****	1993-1994
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General Nirmal Chander Vij	2002-2005		
General J.J. Singh	From 31-1-2005		
(General Sir Roy Bucher (1948-49), General K. M. Cariappa (1949-53) and General Maharaj Rajendra Sinhji (1953-55) served as commanders-in-chief of Indian Army. General Kariappa was conferred the rank of Field Marshal in 1986).			
Chiefs of Naval Staff	•		
But the state of t			
Vice-Admiral R. D. Katari	1958-1962		
Vice-Admiral B. S. Soman			
Admiral A. K. Chatterjee			
Admiral S. M. Nanda			
Admiral S. N. Kohli			
Admiral J. L. Cursetji			
Admiral R. L. Pereira			
Admiral O. S. Dawson			
Admiral R. H. Tahiliani			
Admiral J. G. Nadkarni			
Admiral L. Ramdas			
Admiral Vijay Singh Shekawat			
Admiral Vishnu Bhagwat			
Admiral Sushil Kumar	1999-2001		
Admiral Madhvendra Singh			
Admiral Arun Prakash			
Admiral Sureesh Mehta	From 31.10.2006		
Chiefs of Air Staff	·		
Air Marshal Sir Thomas Emhirst	1947-1950		
Air Marshal Sir Ronald Lyelaw Chapnam	1950-1951		
Air Marshal Sir Gerald Gibbs	1951-1954		
Ala Manach at C. S. A. J. E. a. J. a.	1954-1960		
Air Marshal A. M. Engineer	1900-1904		
Air Chief Marchal Arian Singh	1907-1909		
Air Chief Marchal D. C. Lal	1707-1773		
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Air Chief Marshal L. K. Katre	1985-1988		
Air Chief Marshal D. A. La Fontaine	1991-1993		
Air Chief Marshal N.C. Suri	1993-1995		
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Air Chief Marshal Swarup Krishan Kaul	1995-1998		
Air Chier Marshal Satish Kumar Sareen	1995-1998		
Air Chier Marshal Satish Kumar Sareen	1995-1998		
Air Chief Marshal A.Y. Tipnis	1995-1998		
Air Chief Marshal Swarup Krishan Kaul Air Chief Marshal Satish Kumar Sareen Air Chief Marshal A.Y. Tipnis Air Chief Marshal S. Krishnaswamy Air Chief Marshal S.P. Tyagi	1995-1998		

(हण्ण्यवस्थ्यकः) विभागि स्वयं विभागि कियाक

binet Ministers

Dr. Manmohan Singh

Prime Minister and also in-charge of the Ministries/ Departments not specifically allocated to the charge of any Minister

- viz.:
- (i) Ministry of Personnel, Public Grievances
- & Pensions;
- (ii) Ministry of Planning;
- (iii) Department of Atomic Energy;
- (iv) Department of Space;
- (v) Ministry of External Affairs; and
- (vi) Ministry of Labour & Employment.
- Shri Pranab Mukherjee: Minister of External Affairs.
- . Shri A.K. Antony: Minister of Defence.
- Shri Arjun Singh: Minister of Human Resource Development.
- Shri Sharad Pawar: Minister of Agriculture and Minister of Consumer Affairs, Food &
- Public Distribution.

 5. Shri Lalu Prasad: Minister of Railways.
- Shri Shivraj V. Patil: Minister of Home Affairs.
- Shri A.R. Antulay: Minister of Minority Af-
- fairs.

 9. Shri Sushilkumar Shinde: Minister of Power
- 10. Shri Ram Vilas Paswan: Minister of Chemi-
- cals & Fertilizers and Minister of Steel.

 11. Shri S. Jaipal Reddy: Minister of Urban
 Development
- Development.

 12. Shri Sis Ram Ola: Minister of Mines.
- 13. Shri P. Chidambaram: Minister of Finance.
- Shri Mahavir Prasad: Minister of Small Scale Industries and Minister of Agro & Rural Industries.
- 15. Shri P.R. Kyndiah: Minister of Tribal Affairs.
- Shn T.R. Baalu: Minister of Shipping, Road Transport & Highways.

- 17. Shri Shankersinh Vaghela: Minister of Textiles.
- Shri Vayalar Ravi: Minister of Overseas Indian Affairs.
 Shri Kamal Nath: Minister of Commerce &
- Industry. 20. Shri H.R. Bhardwaj: Minister of Law &
- 20. Shri H.R. Bhardwaj: Minister of Law & Justice.
- 21. Shri Sontosh Mohan Dev: Minister of Heavy Industries & Public Enterprises.
- 22. Prof. Saif-ud-din Soz: Minister of Water Resources.
- 23. Shri Raghuvansh Prasad Singh: Minister of Rural Development.
- Shri Priyaranjan Dasmunsi: Minister of Parliamentary Affairs and Minister of Information & Broadcasting.
- Shri Mani Shankar Aiyar: Minister of Panchayati Raj and Minister of Youth Affairs & Sports and Minister of Development of Northeastern Region.
- 26. Smt. Meira Kumar. Minister of Social Justice & Empowerment.
- 27. Shri Murli Deora: Minister of Petroleum & Natural Gas.
- 28. Smt. Ambika Soni: Minister of Tourism and Minister of Culture.
- 29. Shri Shibu Soren: Minister of Coal.
- 30. Shri A. Raja: Minister of Environment & Forests.
- Shri Dayanidhi Maran: Minister of Communications & Information Technology.
- 32. Dr. Anbumani Ramdoss: Minister of Health & Family Welfare,
- Shri Kapil Sibal: Minister of Science & Technology and Minister of Earth Sciences.
- Shri Prem Chand Gupta: Minister of Company Affalrs.

Ministers of State (Independent Charge)

- Shri Oscar Femandes: Minister of State (Independent Charge) of the Ministry of Labour.
- Smt. Renuka Chowdhury: Minister of State (Independent Charge) of the Ministry of Women & Child Development.
- Shri Subodh Kant Sahay: Minister of State (Independent Charge) of the Ministry of Food Processing Industries.
- Shri Vilas Muttemwar: Minister of State (Independent Charge) of the Ministry of Non-Conventional Energy Sources.
- Kumari Selja: Minister of State (Independent Charge) of the Ministry of Housing and Urban Poverty Alleviation.
- Shri Praful Patel: Minister of State (Independent Charge) of the Ministry of Civil Aviation.
- Shri G.K.Vasan: Minister of State (Independent Charge) of the Minister of Statistics & Programme Implementation.

Ministers of State

- Shri E. Ahammed: Minister of State in the Ministry of External Affairs.
- 2. Shin Suresh Pachouri: Minister of State in the Ministry of Personnel, Public Grievances & Pensions and Minister of State in the Ministry of Parliamentary Affairs.
- Shri B.K. Handique: Minister of State in the Ministry of Chemicals & Fertilizers and Minister of State in the Ministry of Parliamentary Affairs.
- 4. Smt. Panabaka Lakshmi: Minister of State in the Ministry of Health & Family Welfare.
- S. Dr. Dasari Narayan Rao: Minister of State in the Ministry of Coal.
- 6. Dr. Shakeel Ahmad: Minister of State in the Ministry of Communications & Information Technology.
- Shri Rao Inderjit Singh: Minister of State in the Ministry of Defence.
- Shri Naranbhai Rathwa: Minister of State in the Ministry of Railways.
- 9. Shri K.H. Muniappa: Minister of State in

- the Ministry of Shipping, Road Transport & Highways.
- Shri M.V. Rajasekharan: Minister of State in the Ministry of Planning.
 Shri Kantilal Bhuna: Minister of State in the
- Shri Kantilal Bhuria: Minister of State in the Ministry of Agriculture and Minister of State in the Ministry of Consumer Affairs,
- 12. Shri Manikrao Gavit: Minister of State in the Ministry of Home Affairs.

Food & Public Distribution.

- 13. Shri Shriprakash Jaiswal: Minister of State in the Ministry of Home Affairs.
- Shri Prithviraj Chavan: Minister of State in the Prime Minister's Office.
- 15. Shn Taslimuddin: Minister of State in the Ministry of Agriculture and Minister of State in the Ministry of Consumer Affairs, Food & Public Distribution.
- Smt. Suryakanta Patil: Minister of State in the Ministry of Rural Development and Minister of State in the Ministry of Parliamentary Affairs.
- Shri Md. Ali Ashraf Fatmi: Minister of State in the Ministry of Human Resource Development.
- 18. Shri R. Velu: Minister of State in the Ministry of Railways.
- Shri S.S. Palanimanickam: Minister of State in the Ministry of Finance.
- Shri S. Regupathy: Minister of State in the Ministry of Home Affairs.
- Shri K. Venkatapathy: Minister of State in the Ministry of Law & Justice.

PMs since 1947		
Name	Year	
Sardar Patel	1947-50	
Morarji Desai Charan Singh and	1967-69	
Jagjivan Ram (jointly)	1979	
Yashwantrao Chavan	1979-80	
	1989-90	
Devi Lal	11	

- 22. Smt. Subbulakshmi Jagadeesan: Minister of State in the Ministry of Social Justice & Empowerment
- 23. Shri E.V.K.S. Elangovan; Minister of State in the Ministry of Textiles.
- 24. Smt Kanti Singh: Minister of State in the Department of Heavy Industry, Ministry of Heavy Industries & Public Enterprises. ,
- 25. Shri Namo Narain Meena: Minister of State in the Ministry of Environment & Forests.
- 26. Dr. Akhilesh Prasad Singh: Minister of State in the Ministry of Agriculture and Minister of State in the Ministry of Consumer Affairs,
- Food & Public Distribution. 27. Shri Pawan Kumar Bansal: Minister of State in
- the Ministry of Finance. 28. Shri Anand Sharma: Minister of State in the
- Ministry of External Affairs. 29. Shri Ajay Maken: Minister of State in the
- Ministry of Urban Development. 30. Shri Dinsha J. Patel: Minister of State in the

- Ministry of Petroleum & Natural Gas.
- 31. Shri M.M. Pallam Raju: Minister of State Ministry of Defence.
- 32. Dr. T. Subbarami Reddy: Minister of S the Ministry of Mines.
- 33. Dr. Akhilesh Das: Minister of State Ministry of Steel.
- 34. Shri Ashwani Kumar: Minister of State Department of Industrial Policy & P tion, Ministry of Commerce & Industr
- 35. Shri Jairam Ramesh: Minister of State Department of Commerce, Ministry of merce & Industry. Shri Chandra Sekhar Sahu: Minister of S
- the Ministry of Rural Development. 37. Smt. D. Purandeswari: Minister of State Ministry of Human Resource Develop 38. Jaiprakash Narayan Yadav: Minsiter o
- in the Ministry of Water Resources. 39. M.H. Ambareesh: Minister of State Ministry of Information and Broadca

executivalina roquitence

President of India

Rashtrapati Bhavan, New Delhi

EPABX: 23025321

Fax: 23017290 & 23017824

E-mail: presidentofindia@rb.nic.in Website: www.presidentofindia.nic.in

Vice President of India Vice-President House,

6, Maulana Azad Road. New Delhi - 110011

Tel: 23016422, 23016344 .

E-mail:vpindia@sansad.nic.in

Prime Minister

Office: Room No. 152

South Block, New Delhi, 110001 Office Tel: 23012312

17, Parliament House.

Speaker, Lok Sabha

Fax: 23016857

New Delhi - 110001 Tels: (011) 23017795, 23017914,

Speaker's Office, Lok Sabha Secretai

Website: www.pmindia.nic.in

23013211, Fax: (011) 23792927

Email:lokmail@sansad.nic.in Election Commission

Nirvachan Sadan

Ashoka Road, New Delhi - 110 001 Tel: 011-23717391

Fax: 011-23713412

Ministry of External Affairs Office: South Block,



Red Cross Road.

New Delhi - 110 011 Other offices: Akbar Bhavan. Patiala House, ISIL Building & Shastri Bhavan Fax: 23010700 & 23010680. Telex: 231-61876, 23161878-88 Website:www.meadev.nic.in inistry of Home Affairs North Block, Central Secretariat, New Delhi - 110 001 Phone: 23092011, 23092161 Fax: 23093750, 23092763 Website:www.mha.nic.in entral Bureau of Investigation **CBI CONTROL ROOM** Block No. 3, Ground Floor, CGO Complex, Lodhi Road, New Delhi - 110 003 Tel: 24361273, 24364130 lational Human Rights Commission Faridkot House Copemicus Marq New Delhi - 110 001 Fax: 23384863 Phone (Director Administration)-23382389 Iniversity Grants Commission (UGC) Bahadur Shah Zafar Marg, New Delhi - 110 002 Tel: EPABX 23236735/23239437/ 23235733 Supreme Court of India Tilak Marg, New Delhi - 110 001 Tel: PABX 23388942, 43, 44 Fax: 11-23383792 E-mail: supremecourt@nic.in Amnesty International Hemkunt House C-161 4th Floor, Guatam Nagar, (Behind Indian Oil/ Gulmohar Commercial Complex) New Delhi 110 049 Tel: 2685 4763, Fax: 2651 0202 Indian Red Cross Society

National Headquarters, 1,

New Delhi 110 001 Tel: 23716424, Fax: 23717454 Email: indcross@vsnl.com Union Public Service Commission Dholpur House, Shahjahan Road, New Delhi 110 069., Tel: 23385271 Telecom Regulatory Authority of India (TRAI) Chairperson, A 2/14, Safdarjung Enclave, New Delhi - 110 029 Tel: 26101934 E-mail: train@del2.vsnl.net.in The National Commission for Scheduled Castes & Scheduled Tribes Chairman, Vth Floor, Loknayak Bhawan, Khan Market, New Delhi 110 003 Tel: 24624714 Fax: 24625378 Chairman's Tel: 24632298, 24620435 E-mail: dir-admin@ncscst.nic.in chairman-nesest@nesest.nic.in National Commission for Backward Classes Trikoot - 1, Bhikaji Cama Place, New Delhi - 110 066 Tel: 26189210, 26189211 Email: dir_ncbc@nic.in NIMHANS Director NIMHANS Bangalore - 560 029 Tel: 26995001 E-mail: dnn@nimhans.kar.nic.in Fax: 26564830 All India Institute of Medical Sciences, New Delhi - 110029 Tel: 26588500,26588700, 26589900 Fax: 26588663, 26588641 Centre For Science & Environment 41, Tughlakabad, Institutional Area, New Delhi - 110062 Tel: 29955124_29956110, 2995639 Fax: 299555

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Nirupam Sen

Vice President, World Bank: Vinod Thomas,

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Andhra Pradesh

Y.S. Rajasekhara Reddy

I.No.8-2-293/82/A/1310, oad No.65, Jubilee Hills,

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Off Tel: 040-23452933/23455205/

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!3547845 E-mail: cmap@ap.nic.in

Arunachal Pradesh

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Off Tel: 0360-2212456 / 2212173

Off Fax: 0360-2123439; Res. Tel: 0360-

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Assam

un Kumar Gogoi anta Bhawan, Dispur,

Juwahati-781 006

Off Tel: 0361-2262222/2266188/

2262781; Off Fax: 0361-2262069

Res. Tel: 0361-2621085/1084/2261291/

2266112

Bihar

Nitish Kumar

Old Sectt. Patna

Off Tel: 0612-2223886 / 2224784

Res. Tel: 0612-2222079 / 2223393

E-mail: cmbihar@bih.nic.in

Chattisgarh

Dr. Raman Singh

Chief Minister Niwas, Raipur

Off Tel:0771-2221000/2221001/2331001

Off Fax: 0771-2221306

Res. Tel: 0771-2331000

E-mail: cm@cg.nic.in

Delhi

Smt. Sheila Dikshit

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Res. Tel: lammu-0191-2544285/545888; w Delhi- 110011 Srinagar- 0194-2452514/2452540 f Tel: 011-23392020 / 23392030 f Fax: 011-23392111 **Iharkhand**

s. Tel: 011-23018716/23018717 Madhu Koda s. Fax: 011- 23018733

mail: cmdelhi@ren02.nic.in

Goa

ipsingh Raoji Rane

ff Tel: 0832-2223970 / 2223464 ff Fax: 0832-2223648 mail: cmgoa@goa.nic.in

Gujarat

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hief Minister Niwas, Sec-20, andhinagar

mail: cm@quiaratindia.com ff Tel: 079-3232611 to 18 ff Fax: 079-3222101

es. Tel: 079-3243721 to 723

Haryana

pinder Singh Hooda oom No.45, 4th floor, Civil Sectt.,

:handigarh, Haryana Off Tel: 0172-2740396 / 2749409 Off Fax: 0172-2740774

les. Tel: 0172-2749395 / 2740596 -mail: cm@hrv.nic.in

Himachai Pradesh harda Singh limachal Pradesh Sectt., Shimla

Off Tel: 0177-2625400 / 2625819 Off Fax: 0177-2625011

les. Tel: 0177-2803074 / 2808600

Jammu and Kashmir

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Livil Sectt.. ammu-Tavi - 180 001 Off Tel: Jammu- 0191-2546466/

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Off Tel: 0651-2281500 / 2281400

Off Fax: 0651-2205100

Karnataka H.D. Kumaraswamy

Karnataka Govt... Legislative Assembly, Bangalore

Off Tel: 080-22253414 / 22253424

Off Fax: 080-22281021 / 22253660 E-mail: cm@kar.nic.in

Kerala

Madhya Pradesh

V.S. Achuthanandan Cliff House, Nanthencode,

Thiruvananthapuram - 695 003 Off Tel: 0471-2333812 / 2332184 Off Fax: 0471-2333489 Res. Tel; 0471-2314853, 2318406

E-mail: cmkerala@vsnl.net.in -

Shivraj Singh Chouhan **Bhopai** Off Tel: 0755-2551581 / 2551433

Off Fax: 0755-2551781 / 2540501 Res. Tel: 0755-255585

E-mail: cm@mp.nic.in Maharashtra

Vilasrao Deshmukh

'Varsha' Malbar Hill, Bhausaheb Hiray Marg, Malbar Hill, Mumbai- 400006

Off Tel: 022-22025151/22025222 -Off Fax: 022-23633272

Res. Tel: 022-23633051 / 23634950 E-mail: chiefminister@maharashtra.gov.in

Manipur Okram Ibob! Singh

Thoubal Athokpam, Thoubal E-mail: cmmani@hub.nic.in

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Tel: 0385-2220137

Fax: 0385-2221817 s. Tel: 0385-2421171

Meghalaya

tvmbai

aw Main road, Shillong, Meghalaya

ff Tel: 0364-2224282

ff Fax: 0364-2227913

es. Tel: 0364-2224571 mail: ddlapanq@shillonq.meg.nic.in

Mizoram

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off Tel: 0389-2322150/2322205/

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Nagaland

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Chief Minister Niwas, Kohima

Off Tel: 0370-2222171/2270097

Off Fax: 0370-2270087

Res. Tel: 0370-2241735

Orlssa

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Aerodrome Road.

P.O. Bhubaneswar Distt, Khurda,

Pin-751 001 (Orissa);

Off Tel: 0674-2531100/2535100/

2531500

Off Fax: 0674-2400100

Res. Tel: 0674-2590299

E-mail: cmo@ori.nic.in

Puducherry

N. Rangaswamy

Chief Minister Niwas,

Pondicherry

Off Tel: 0413-2333399/2335530/

2335328/2335522; Off Fax: 0413-

2333135; Res. Tel: 0413-2272456/

2271232/ 2277074

E-mail: cm@pondy.pon.nic.in

Punjab

Capt. Amarinder Singh

45. Sector 2,

Chandigath

Off Tel: 0172-2740325 / 2740769

Off Fax: 0172-2741821

Res. Tel: 0172-2741322/2741758

Ralasthan

Smt. Vasundhara Raje

Sectt. Jaipur B,

Civil Line

Off Tel: 0141-2380351 / 2380462

Off Fax: 0141-2381687 / 2382705

Res. Tel: 0141-2381212/2381213

Sikkim

Pawan Kumar Chamling

Chief Minister's Secretariat.

Gangtok

Off Tel: 03592-222263 / 222575

Off Fax: 03592-222245/224710

Res. Tel: 03592-222304/222536

E-mail: cm_skm@hub.nic.in

Tamilnadu

M. Karunanidhi

Off Tel: 044-25672345

Off Fax: 044-25671441

E-mail: cmcell@tn.gov.in

Tripura

Manik Sarkar

Civil Sectt., Agartala

Off Tel: 0381-2324000/2324003/

2324318; Off Fax: 0381-2223201

Res. Tel: 0381-2324001 / 2324002

E-mail: cmo-trp@hub.nic.in

Uttaranchal

Narain Datt Tiwari

Chief Minister Niwas,

Circuit House,

Old Annexe.

Cantt: Road, Dehradun - 248 001; Off

Tel: 0135-2665090/2665100

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Res. Tel: 0135-2755100/ 2755101

Mulayam Singh Yadav
5 Kalldas Marg, Lucknow
Off Tel: 0522-2225757
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E-mail: cm@wb.gov.in

West Bengal

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No.	Prime Minister (Dath of office on	Term as PM	No.of days	Tol
1.	Jawaharlal Nehru	15.08.1947	1st	895	
2.	Jawaharlal Nehru	26.01.1950	2nd	100	
3,	Jawaharlal Nehru	06.05.1950	3rd	738	
4.	Jawaharlal Nehru	13.05.1952	4th	1800	
5.	jawaharlal Nehru	17.04.1 <i>957</i>	5th	1819	
6.	Jawaharlal Nehru	10.04.1962	6th	778	610
7,	Gulzari Lal Nanda (Actin	g) 27.05.1964	1st	13	
8.		09.06.1964		581	5
9,	Gulzari Lal Nanda (Actin	g) 11.01.1966	2nd	13	;
10.	Indira Gandhi	24.01.1966	1st	413	
11,		13.03.1967	2nd	1466	
12,	Indira Gandhi	18.03.1971	` 3rd	2198	407
13,		24.03.1977		856	8.
14.		28.07.1979	•	170	1:
15.		. 14.01.1980	4th	1752	58.
16.	,	31.10.1984	1st	61	
17.	,	31.12.1984	2nd	1 <i>7</i> 97	18.
18.		02.12.1989		343	3,
19.		10.11.1990		223	2.
20.		21.06.1991		1791	17:
21.		16.05.1996	1st	16	
22.		01.06.1996		324	3:
23.		21.04.1997		332	3.
24,		19.03.1998	2nd	573	
25.	The service suppose	13.10.1999	3rd	1683	22:
26.	Dr. Manmohan Singh	22.05.2004		892	

No. of days includes caretaker period. * No. of days of three consecutive terms of Indira Gandhi is 40 CA: Constituent Assembly; PP: Provisional Parliament: LS: Lok Sabha.

as on 31.10.2006

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Hano	Štate	Perlad	
1 Sucheta Kripalani	I JII	2 Oct.1963 to 14 Mar. 1967	Congress
2 Mandiol Salpaty	Othia	14 June 1977 to 01 Mar. 1974 to	
		6 Mar. 1974 to 16 Dec. 1976	Condust
1. Sashikala kadokar	tion	13th Aug. 1973 to 7th June 1977	Maharathawah
		& 7th June 1977 to 28th Apr. 1979	Gomantak Party
4. Syeda Ausara Talmiri	nuerA	12th Dec. 1980 to 29th June 198	H Congress

TN	7th to 30th Jan. 1988 A	.I.A.D.M.K. (Janaki)
TN	24th June 1991 to 13th May 19	
	14th May to 21st Sept. 2001	
	2nd Mar. 2002 to 12th May 20	006 A.I.A.D.M.K
UP	3rd June 1995 to 18th Oct. 19	95 &
	21st Mar, 1997 to 21st Sept. 1	997
	3rd May 2002 to 29th Sept. 20	003 B.S.P
Punjab	21st Nov. 1996 to 12th Feb. 19	997 Congress
Bihar	25th July 1997 to 12th Feb. 19	99 &
	9th Mar. 1999 to 3rd Mar. 200	<i>8</i> 00
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Monian Covernove in India (1949-2002)

Period

No. Name

1,	Sarojini Naidu	15.08.1947 - 02.03.1949	United Provinces/UP
2.	Padmaja Naidu	03.11.1956 - 01.06.1967	West Bengal
3.	Vijayalakshmi Pandit	27.11.1962 - 05.09.1963	
		18.12.1963 - 08.10.1964	Maharashtra
4.	Sharada Mukherjee	05.05.1977 - 14.08.1978	Andhra Pradesh
		14.08.1978 - 06.08.1983	Gujarat
5.	Jyothi Venkatachalam	14.10.1977 - 27.10.1982	Kerala
6.	Kumudben Joshi	26.11.1985 - 07.02.1990	Andhra Pradesh
7.	Ram Dulari Sinha	23.02.1988 - 12.02.1990	Kerala
8.	Seria Grewal	31.03.1989 - 06.02.1990	Madhya Pradesh
9.	Uprimitaria.	19. 02.1990 - 19.12.1990	Pondicherry(UT)
10	. Rajendrakumari Bajpayi	02.05.1995 - 23.04.1998	Pondicherry(UT)
	. Sheila Kaul	17.11.1995 - 23.04.1996	Himachal Pradesh
12	Justice M. Fathima Beevi	25.01.1997 - 01.07.2001	Tamilnadu
13	. V.S. Rama Devi	26.07.1997 - 02.12.1999	Himachal Pradesh
14	Daiani n	02.12.1999 - 10.8.2002	Karnataka
	. Rajani Rai . Pratibha Patil	23.04.1998 - 31.07.2002	Pondicherry(UT)
	. ridanug hatil	08.11.2004 -	Rajasthan
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State

गणिशिष्टिशानाविष्ण

Name	Year	Territorial Juridict	ion S4
Allahabad	1866	Uttar Pradesh	Allahabad (Bench at Luckno
Andhra Pradesh	1954	Andhra Pradesh	Hyderat
Bombay	1862	Maharashtra, Goa,	Mumbai (Benches at Nagpur, Panaji a
•		Dadra and Nagar Ha	veli Aurangab
		and Daman and Diu	
Calcutta	1862	West Bengal	Kolkata (Circuit Bench at Port Bl
Chhattisgarh	2000	Chhattisgarh	Bilas _l
Delhi	1966	Delhi	. Do
Guwahati ¹	1948	Assam, Manipur	Guwahati (Benches at Kohima, Aizi
		Meghalaya, Nagalan	d Imphal, Shillong, Agartala and Itanag
		Tripura, Mizoram an	d `
		Arunachal Pradesh	
Gujarat	1960	Gujarat	Ahmedat
Himachal Pradesh	1971	Himachal Pradesh	Shir
Jammu and Kashmir	1928	Jammu and Kashmir	Srinagar and Jami
Jharkhand	2000	Jharkhand	' Ran
Kamataka ^z	1884	Karnataka	Bangal
Kerala	1958	Kerala and Lakshadw	eep Emakul
Madhya Pradesh	1956	Madhya Pradesh	Jabalpur (Benches at Gwalior and Indo
Madras	1862	Tamil Nadu and	Chennai (Bench at Madu
		Pondicherry	
Orissa	1948	Orissa	Cutti
Patna	1916	Bihar	Pa
Punjab and Haryana ³	1966	Punjab, Haryana and	Chand'
		Chandigarh	1
Rajasthan	1949	Rajasthan	Jodhpur (Bench at 🌉
Sikkim	1975	Sikkim	Constant of the Constant of th
Uttaranchal	2000	Uttaranchal	

- 1 Originally known as Assam High Court, renamed as Guwahati High Court in 1971.
- 2 Originally known as Mysore High Court, renamed as Kamataka High Court in 1973.
- 3 Onginally known as Punjab High Court, renamed as Punjab and Haryana High Court in

The Federal Court of India (later Supreme Court), which became the his authority in India, was created in 1937. Supreme Court of India replace 26, 1950.

जाहर्वातिहाः विश्ववन्त्राति

	Name	Period
1.	Sir Osborne Smith	01-04-1935 to 30-06-1937
2.	Sir James Taylor	01-07-1937 to 17-02-1943
3.	Sir C. D. Deshmukh	11-08-1943 to 30-06-1949
4.	Sir Benegal Rama Rau	01-07-1949 to 14-01-1957
5.	K.G. Ambegaonkar	14-01-1957 to 28-02-1957
	H. V. R. lengar	
	P. C. Bhattacharya	
8.	L. K. Jha	.01-07-1967 to 03-05-1970
9.	B.N. Adarkar	04-05-1970 to 15-06-1970
10.	5. Jagannathan	16-06-1970 to 19-05-1975
	N.C. 5en Gupta	
12,	K.R. Puri	.20-08-1975 to 02-05-1977
	M. Narasimham	
14.	Dr. I.G. Patel	01-12-1977 to 15-09-1982
15.	Dr. Manmohan Singh	16-09-1982 to 14-01-1985
16.	A Ghosh	.15-01-1985 to 04-02-1985
17.	R.N. Malhotra	04-02-1985 to 22-12-1990
18.	S. Venkitaramanan	22-12-1990 to 21-12-1992
19.	Dr. C. Rangarajan	22-12-1992 to 21-11-1997
20.	Dr. Bimal lalan	22-11-1997 to 06-09-2003
21.	Dr. Y.V. Reddy	06-09-2003

fional/Ambigues

Bangladesh: (Amar Sonar Bangla) First line: My

golden Bengal, I love you

Canada: O Canada, Our Home and Native Land

China: March of the Volunteers

Dominica: Isle of Beauty

Estonia: My Fatherland

Germany: Unity and Right and Freedom

Greece: Hymn to Freedom

Hungary: God Bless the Hungarians

Iceland: O God of Our Country

Myanmar (Burma): We Shall Love Burma Evermore

Pakistan: Quami Tarana

Panama: Victory is Ours at Last

Russia: Slavsya (Be Great)

Saudi Arabia: Long Live Our Beloved King

Sri Lanka: Sri Lanka Matha, Apa Srī Eanku

(Mother Sri Lanka, thy Sri Lanka)

Tanzania: God Bless Africa

UK: God Save the Queen

USA: The Star-Spangled Barner

गारिक्स भिक्सावाहि

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Myliologicii Giardina

Indian

Abhimanyu: The heroic son of Arjuna, the entral figure of the Mahabharata, by his vife Subhadra.

Adhiratha: Foster father of Karna.

Aditi:Daughter of Daksha Prajapati. Devas ire sons born to Kasyapa by Aditi and hence they are known as Aditeyas also.

Ahalya: A Princess of the Puru dynasty, who was turned into a stone by the curse of her husband, Gautama.

Anasuya: Wife of sage Atri, son of Brahma.

Anglras: Hermit born from the mind of Brahma. Six mind-born sons (Manassa-Putras) were born to Brahma, known as Marichi, Angiras, Atri, Pulastya, Pulaha and Kratu.

Anjana: Mother of Hanuman. Wife of Kesari, the noble monkey and daughter of Kunjara, the monkey leader.

Arjuna: The third of the Pandavas.

Arundhati: Wife of sage Vasishtha. She was born as the daughter of Kardamma Prajapati and Devahuti.

Asvapati: Father of the most chaste woman, Savitri.

Asvathama: Son of Drona and Krpi Agneyl: Wife of Kuru, son of Manu.

Balabhadra (Balarama, Baladeva): The elder brother of Srikrishna and the eighth incarnation of Mahavishnu.

Bali (Mahabali): An emperor of the Asuras. He was the son of Virochana and the grandson of Prahlada.

Bharata: Son of Dasaratha

Bhlma:Bhimasena, one of the five Pandavas.

Manorama Yearbook 2007

Bhishma: Eighth son of Santanu, a kir of the lunar dynasty and Gangadevi.

Brihaspati: The teacher of the dev. (Gods)

Bhurisravas: Son of Satyaki who was kille by Satyaki when he was sitting in a yog position.

Damayanti: Daughter of Bhima, the kir of Vidarbha. The famous hero Nala is h husband.

Dasaratha: A famous king of the Ikshval dynasty, father of Srirama.

Devayani: Sukracharya's daughter.

Dharmaputra: The eldest of the Pandava Dhrishtadyumna: The son of kir Drupada. He was brother of Panchali.

Dhritarashtra: Father of the Kauravas.

Drona: The teacher in archery of the teacher in archery

Pandavas and the Kauravas.

Duryodhana: Villain in the Mahabhara story, the eldest of the Kauravas.

Dussala: The only daughter Dhritarashtra by Gandhari.

Gandhari: Wife of Dhritarashtra.

Ghatotkacha: Son born to Bhima ar Hidimbi.

Harischandra: A king of the solar dynas very much reputed for his unique truthfiness and integrity. He was the son of the famous Trisanku.

Indra: Son of Kashyapa and Aditi Indrajit: Ravana's son, Meghanada Indrani: Wife of Indra

Iravan: Son of Arjuna and the Naga pri cess Uloopi. He was killed by the raksha Alambasa.

Jahnu: A hermit king born in the family of Puru. He swallowed the river Ganga and

later released it through his ears.
Jambavan: A monkey of extraordinary

might. He was the minister of Sugriva.

Jambavati: Daughter of the famous Jambavan.

Kaikeyi: One of the wives of Dasaratha, who had three wives, Kausalya, Kaikeyi and Sumitra

Kaitava: Another name of Uluka, the son of Sakuni.

Kamsa: Son of Ugrasena, king of Mathura, and an incarnation of an Asura called Kalanemi.

Karna: The eldest son of Kunti. Though he was the brother of the pandavas he joined sides with the Kauravas and became the king of Anga.

Krishna: Born in the Yadava dynasty as the son of Vasudeva and Devaki; the ninth of the incarnations of Mahavishnu.

Kunti: Wife of king Pandu and the mother of the Pandavas.

Kusa: One of the two sons of Srirama, the other, being Lava.

Lakshmana: Son born to Dasaratha by

Sumitra.

Lopamudra: Wife of Agastya.

Madri: The second wife of Pandu was the mother of Nakula and Sahadeva. Pandu expired when he embraced his wife Madri.

Maitreyi: Wife of the sage Yajnavalkya.

Mandavi: Wife of Bharata.

Mandodari: Wife of Ravana

Manini: Mother of Visravas, father of Ravana.

Panchali-Draupati:wife of the Pandavas. Parasara: Sakti, son of Vasishta begot of his wife Adrsyanti the son named Parasara.

Parasurama: An incarnation of Mahavishnu, as man

Greek Zeus	Roman - Jupiter (Chief god& God of heaven)	Hymen - Hymen (God of marriage) Apollo - Apollo (God of moon, music poetry& wisdom) Rhea - Ops (Goddess of mothernexe) Irene - Pax (Goddess of peace)
Hera Cronus Demeter	 Juno (Chief goddess) Saturn (God of agriculture) Ceres (Goddess of agriculture) 	Poseidon - Neptune (God of theses) Hypnos - Somnus (God of sleep) Persephone - Proserpine (Goddess
Eos Thanatos Hecate	 Aurora (Goddess of the dawn) Mors(God of the dead) Libitina (Goddess of the death) 	of spring) Helios - Sol (God ci the sun) Hephaestus - Jupiter (God cr ਦੇ ਪਾਸਟੇਗ) Themis - Justitia (Goddess cr ਰਪਨਿ
Ares .	- Mars (God of destruction & war)	Pluto/Hades - Orcus/Dis (God of the Urworld) Hecate - Proserpine (Goddess of
Aesculapiu	- Morpheus (God of dreams) s - Aesculapius (God of the earth)	Under wedg) Nike - Victoria (Goddess of victory)
Gaia Priapus Artemis Hestia Hygeia Eros	 Tellus (Goddess of the earth) Faunus (God of fertility) Diana (Goddess of fertility) Flora (Goddess of flowers) Salus (Goddess of health) Cupid (God of love) 	Athene - Mineria (Goddess of water wisdom) Dinysus - Bacchus/Liber (Gater and Silvanus (Godes and Silvanu

ianu: A son born to Srikrishna of his yabhama. rumna: A Son born to Srikrishna of Rukmini.

HYU.

ti: Wife of Siva

ada: Son of Hiranyakasipu and 1.

a: Srikrishna's dearest consort. a: The seventh incarnation of

hnu. na: The Rakshasa king of Lanka who heads.

ani: Another name of Parvati. ii; Ruler of Bhojakata who offered his

s to both the Pandavas and the as-only to be rejected by both.

of Srikrishna's wife Rukmini. ni: The notorious uncle hana.

vati: Goddess of learning ri: The wife of Satyavan ya: Commander-in-chief of the

a forces after Karna's death. Madri, Pandu, was Shalya's sister. andi: Rebirth of Amba, daughter of

g of Kasi. One of the Trinity, the other two behma and Vishnu.

akirti: Wife of Satrugna ayudha: Son of Varuna by Parnasa, He ed when he angrily threw his magic

Arjuna. Sudama: The real name of Kuchela, who was the friend of Srikrishna in boyhood.

Subhadra: Sister of Srikrishna and wife of

Sudeshna: The wife of Virata, the king of Matsya.

Sugriva: Son born to the Sun by Aruni. Sukracharya: Preceptor of the Asuras. Sumaha: The charioteer of Parasurama,

Sumantra: A minister of king Dasaratha of Ayodhya. Svaha: A daughter of Brihaspati.

Trisanku (satyavrata, Matanga): A celebrated king of the solar dynasty. Ugrasena: Father of Kamsa.

Urmila: Wife of Lakshmana. Vaisampayana: A prominent disciple of

Vyasa. It was Vaisampayana who told the story of Bharata composed by Vsyasa, to king Janamejaya. Vamana: An incarnation of Mahavishnu.

Vasudeva: Father of Snkrishna. Vibhishana: Brother of Ravana, Vidura: Brother of Dhritarashtra

Vikarna: One of the hundred sons of Dhritarashtra.

Visravas: Father of Rayana. Vishvakarma: The architect of the Devas.

Yajnasena: Drupada, the son of king of Panchala.

Yasoda: Foster-mother of Srikrishna.

योविधियोगिकांच

ordion Portable musical instrument th a small keyboard and free metal The player operates pleated bellows orce air past the reeds.

Bagpipes Ancient instrument having a flexible bag inflated by being blown through a tube by bellows. You play bagpipes blowing air through a pipe into a leather bag,

a Yearbook 2007

and squeezing the bag to force the air out through other pipes. Versions of the baggine include the Bulgarian gaida, the cornemuse of France and Belgium, the gaita of northwestern Spain and the Irish Uilleann pipes.

Balalaika Russian instrument with a triangular body and three strings.

Banjo Musical instrument with a circular body and four or more strings.

Baryton Stringed instrument similar to viola da gamba but with sympathetic strings.

Bouzouki Greek fretted string instrument with a long neck and four sets of strings.

Cabaca / Cabasa Latin American percussion instrument, a round or pear-shaped gourd covered with beads and fitted with a handle.

Celesta Small keyboard instrument, with metal plates struck by hammers which produce bell-like tones.

Cello Bass violin. It is held between the player's knees.

Cembalo The Italian name of harpsichord.

Clarinet Single-reed woodwind instrument. It has a straight tube and a single reed in its mouthplece.

Console Part of organ by which the musician operates the instrument.

Cymbals Two round brass plates are struck together to make clanging sounds.

Flute It is shaped like a long tube with holes in it. It is held sideways to one's mouth and blown.

French harp Harmonica.

Gong Little bells, e.g. sleigh bells, used as percussion.

Guitar Similar to the lute. It has a large flat-backed sound box in the shape of a violin, a long fretted neck and usually six strings.

Harmonica Mouth organ with metal

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A'AYA'.

ree-ds. 2 types - the chromatic and the diatonic.

Harmonium Small portable reed organ perfected by Alexandre Debain of Paris in the early 1840's.

Harp Freestanding instrument whose vertical strings are played with the fingers.

HarpsIchord Piano-like instrument common in 16th to 18th centuries. The strings are sounded by means of quill or leather plectrums.

Hawaiian gultar Ukulele introduced by the Portuguese.

Hityokin Japanese vertical flute made of bamboo.

Hornpipe Wind instrument with a single reed and a cow's horn fitted on the end.

Irlsh harp It is small harp played while held in the lap.

Jew's harp Small folk instrument consisting of a metal frame held between the player's teeth while the metal strip in the frame is twanged.

Mandocello Bass mandolin.

Mandolin instrument in the lute family, fretted and with 8 wire strings tuned in four pairs. Monochord Musical instrument with one string.

Mouth organ The term covers many instruments with metal reeds but nowadays is synoymous with the harmonica.

Nose flute Polynesian bamboo flute blown through the nostrils.

Pan-pipes Made of a series of pipes or reeds. It is played by blowing across the open ends; mouth organ.

Plano Instrument with a manual keyboard. Hammers (Pianoforte) strike wire strings and produce sounds. Pedals soften or sustain sounds. Full name: Pianoforte.

Plano accordion Accordion with a pianolike keyboard played with the right hand.

Saxophone Single-reed family of instruments, usually metal but sometimes plastic, invented by Adolphe Sax.

Sitar An Indian stringed instrument m of seasoned gourds and teak. It has a trac 20 metal frets, three to seven main play strings and 13 resonating strings.

Tablas A symmetrical pair of conituned, wooden Indian drums, beaten the hands.

Tambura Long-necked, round-boo lute, Indian tamburas have 4 strings, dro and a moveable ivory bridge to adjust pi Balkan tamburas are fretted.

Tambourine Instrument with a sidrumhead with metal discs. Its discs known as jingles. Tambourine is shawith one hand and struck with the other.

Tin whistle High pitched, end-ble flute with finger holes.

Trombone Brass instrument, larger t a trumpet, and with a sliding tube to tend notes.

Trumpet Brass wind instrument con ing of a long metal tube looped once ending in a flared bell. A trumpet has tl valves.

Ukulele It is a small four-stringed ins ment originally from Hawaii, develo from a kind of Portuguese guitar.

Upright plano Piano in which stri are vertical.

Vina Stringed instrument of India has a long fretted fingerboard resting vesonating gourds at each end. The Sc Indian vina has a much broader fingerbothan the one in northern India, an wooden body in place of one of the gou

Viola A four-stringed instrument of violin family, slightly larger than a violating a deeper tone. Viola da gamb bass viol played between the knees.

Violin Four-stringed instrument pla with a bow.

Xylophone Percussion instrument c sisting of a mounted row of tuned woo bars graduated in length to sound a cl matic scale. It is played with two malle

Manorama Yearbook 2007

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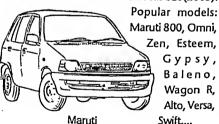
are regressed to some constitution of the cons All stones this list on your provide a list of the lis

he first automobile imported into India was a French-made De Dion Bouton. It was imported by the Maharaja of Patiala in 1892. The car had the licence plate number 'O'. The first India-made car Hindustan 10 appeared in 1948.

What has happened to the automobile scene in India since 1948 is mind-boggling, and the variety of passenger cars available in the country today is incredible. Here is a list of the major carmakers and their products.

Maruti Udyog Ltd.

Maruti Udyog Ltd incorporated under the provisions of Indian Companies Act, 1956 (1981); Licence of agreement signed between Maruti & Suzuki Motor Corporation of Japan (1982); India's first affordable car, Maruti-800 launched (1983); Institute of Driving Training & Research (IDTR) launched jointly with Delhi Government (2000); Suzuki Motor Corporation (SMC) increases its stake in Maruti to 54.2% (2002); Partnership with SBI (2003); 5 millionth car rolls out (2005).



Tata Motors

Tata Engineering & Locomotive Co. Ltd. established to manufacture locomotives and other engineering products (1945); Steam road roller introduced (1948); Collaboration with Daimler Benz AG, for manufacture of medium commercial vehicles (1954); First commercial

vehicle manufactured (1977); Manufacture of heavy commercial vehicles commences (1983); First hydraulic excavator produced with Hitachi collaboration (1985); First light commercial vehicle Tata 407 (1986); Launch of first indigenous passenger car Tata Sierra (1991); Joint venture agreement signed with M/s. Daimler-Benz/Mercedes-Benz for manufacture of Mercedes Benz passenger cars in India (1994): Mercedes Benz car E 220 launched (1995); Exits joint venture with Daimler Chrysler (2001): Tata Engineering becomes Tata motors (29.7.2003); Acquisition of Daewoo Commercial Vehicles Company (2004); Rolls out 500,000 passenger vehicles (2005).

Popular models: Tata Estate, Sumo, Safari, Indica, Indigo, Indigo Marina, Indica V₂, Xeta.

Fiat

Fiat (Fabrica Italiana-di Automobile-Torino) founded in Turin, Italy (11.7.1899); Fiat 509, first car with 4 seats launched (1923); First Fiat diesel engined vehicle, Fiat 1400 presented (1953); First car with front wheel drive, Fiat 127 launched (1971); Company takes over Alfa Romeo (1984); Enters SUV sector (1994); Fiat Palio comes out (1997); First Fiat MPV, Fiat Idea, created (2004); Tata Motors commences distribution of Fiat cars across India (2006); Fiat has produced more than 85 million passenger cars & LCVs (about 400 models) since

1899. Popular models: Fiat 500, Panda. Uno, Punto, Palio, Adventure.

35 PS-first modern designed car (1901); plies first petrol engined vehicle in (1907); Benz & Cie, partners of DMG Merger between DMG & Benz-Cie (1926); Mercedes Diesel Wagen 260 D, passenger car (1936);ô Mercedes-Benz 230 SLfirstsportscar (1963); First electric van - LE Benz 306(1972); World

nz & the team of Gottfried Daimler &

laybach invent the automobile (1886);

Mercedes - Benz S-class (1978); New Rcle concept debuts (2005); Two-mode chnology shown together with col-

bishi, launches first automobile, 'Model there was no special section for Auto-(1917); First car 'Colt' launched by

ar Models: A-class, S-Class-S 350L, C-

s GM & BMW (2006).

200K, E-Class E 200K

shi Motor Corporation

shi (1962); Mitsubishi Motor Corporas formed in Japan (1970); Colt car ly formed (joint venture partnership MMC & Colt Automotive Ltd.) (1974); launched (1982); Libero electric car ion starts (1994); Joint venture be-MMC, Volvo and Dutch government Development of GDI Engine (1996);

a Daimler Chrysler formally signed

(2000).Popular models: Lancer, Cedia, Pajero, Galant, Volvo L200.

Vaclay Laurin & Vaclay Klement start making bicycles, naming them Slavia (1895); Laurin & Klement Co. begins to manufacture motorcycles (1899); Voiturette A - first automobile (1905); L & K merges with Skoda Pilsen & Made Skoda Auto co., in Czechoslovakia (1925); Tudor, Spartak, Octavia ap-

pear (1950s); Vehicle 'Favorit' launched (1987);Skoda joins VW Konzern, 5koda Andi, SEAT (1991).Popular models: Octavia, Superb, Elegance,

Combi.

Nissan

In 1914, the Kwaishinsha Motor Car Works, established three years earlier, built the first car DAT. In 1918, company renamed Kwaishinsha Motor Car Co., and in 1925, named DAT Motor Car Co. After a long renaming process, company became Nissan; Nissan Motor Co. Ltd. Founded by Yoshisuke Aikawa in Japan (1934); Nissan chooses Austin, UK as partner in 1930's and makes Austin models; Nissan merges with Prince Motor Co (1966); Nissan's head office is now in Tokyo but will move to Yokohama in 2010; Nissan establishes assembly operations in United States, South Africa, UK.

Popular Models: Nissan Infiniti, Sentra, Armada, Altima, 350Z, Maxima, Pathfinder.

Rolls Royce

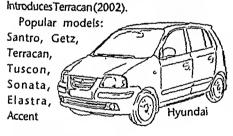
Rolls Royce established by Henry Royce, London (1884); builds the first car. Agreement reached between Royce Ltd. and CS Rolls & Co. (1904); formation of Rolls-Royce company in March; launch of 'Silver Ghost' (1906); Enters aero-engine industry (1914); merges

with Bristol Siddeley (1959); joint venture with BMW (1990); Allison Engine Company acquired (1995); Rolls Royce Motor Cars was sold by Vickers to Volkswagen, although BMW holds the rights to the name and marque for use on Rolls-Royce cars, having acquired the rights from Rolls Royce in 1998 (1998); Aguisition of Cooper Energy Services Acquires National Automotive (1999); BMW takes over responsibility for Rolls-Royce cars (2003).

Popular Models: Silver Ghost, Phantom, Silver Dawn, Park Ward, Silver Seraph, Cornche.

Hyundai Motor Company

Hyundai Auto Services established in South Korea by Ju-Yung Chung (1946); Hyundai Motor Company founded by Ju-Yung Chung and Se-Yung Chung in South Korea (1967); Contract with Ford Motor Company (1968); First model 'Pony' (1975); 'Excel' First front wheel drive automobile (1985);Partners with Mitsubishi (1992); Introduces 'Accent' (1995); 'Dynasty' launched (1996); Purchases Kia Motors (1998); Daimler Chrysler purchases 10.5% stake in Hyundai (2000); enters SUV market (2001);



Hindustan Motors Ltd.

Incorporated at Port Okha in Gujarat, India (1942); Inception of Ambassador car, originally based on Morris Oxford (UK, 1948) (1957); Ambassador second version, Mark II, appears (1963); enters earthmoving equipment manufacture sector (1971); Mark III launched (1975); Company sold a part of assets to General Motors, for manufacture of Opel Astra range cars (1986); Collaboration with Isuzu Motor Company, Japan (1987);

begins the production of Road Trusted Vehicles (1997); Collaboration with OKA Motor Company, Australia; Commences Mitsubishi Lancer Car project (1998); Launch of Mitsubishi Pajero (in collaboration with Mitsubishi Motors, Japan) in India (2002); HM launches Mitsubishi Lancer Cedia (2006).

Popular Vehicles: Ambassador, Contessa, Avigo, Lancer, Cedia, Pajero

Hindustan Motors Manufacture passenger cars, RTVs, MUVs, trucks, etc.

RMW

Karl Rapp begins BMW as an aircraft engine shop in Munich named Rapp Motoren Works (1913); Changes name to Bayerische Motoren Werke (BMW) (1917); BMW begins producing cars (1930s); 328-sports car launched (1936); sports sedans & touring cars produced (1960's); formed a joint venture with Rolls Royce PLC to produce aircraft engines (1990); 80% of Rover group acquired (1994); Takes over responsibility for Rolls Royce cars (2003).

Volvo

Volvo established at Gothenburg (1927); V 444 introduced (1944); Taxis, ambulances & trucks made (1940's-1950's); Volvo sport; Volvo Duett 445 introduced; involved with making militaryvehicles like 915 'Suggan' (1950's-1960's); P 1800 introduced (1960's-1970's); Volvo 144 introduced (1966); Volvo 164 Eproduced (1970's-1980's); presents safety vehicle (1972); Volvo 240 (1975); Volvo 343 (1976); 240 Turbo introduced; collaboration with Carrozzeria Bertone (1980-1990); Volvo GLT, 850 T-SR, S70 Sedan, S40, V70R AWD, S 80, etc. produced (1990-2000); The car company sold to American Ford Motor Company (1999); S60 introduced (2000); Volvo SUV XC90 released (2002).

Popular Models: Volvo 144, 145, 240, 343, S60

Chevrolet

1911 Chevrolet Maint Company is incor-Durant porated by Louis C

"Classic Six" launched Ceneral Mois the operatts of the com-First Chevrolet



brothers (1980); agreement with Chrysler (1987); Countach modellaunched (1990); Diablo launched (1991); Complete takeover of the company, by the

old (1918); Chevrolet Impala intro-(1958); Introduction of Light Utility is (1972), Toyola & GM sign an agreeunder which GM build right-hand drive olet Cavaliers in the US (1993).

pular Models: Chevrolet Optra, Tavera, ter. Aveo

porghini

under-Ferruccio Lamborghini. Starts proag tractors, in Italy (1948); opens a car ory (1963), Sells 51% of the company to raes-Henn Rossetti (1972): 49% sold to e Leimer (1974); company sold to Mimran shareholders of Lamborghini & Audi (1998); Popular models: Diablo, Murcielago, Countach, Jalpa.

Toyota Motor Company

Toyota Motor Company established in Japan (1937); First small car (SA MODEL) launched (1947); Production of vehicles outside Japan begun (1959); Toyota produces more than 4.5 million vehicles per year; Toyota Kirloskar Motor - is a joint venture between Kirloskar group & Toyota Motor Co.

Popular Models: Camry, Corolla, Innova, Prado

Compiled by Divya Warrier

British English ... American English Alsatian German shepherd autumn fall baq sack Barristor lawyer biscuit cookie by-law ordinance car boot trunk car park parking lot cashier teller chemist's shop drug store coriander cilantro crisps chips crossroads intersection cupboardcloset current account checking account curtains drapes dialing code area code dustbin garbage pail evening classes night school frying pan skillet gear lever gear shift handbag pocketbook, purse housewife housemaker influenza grippe

jam	jelly
jamjug	pitcher
lift	elevator
lorry	
maize	com
nappy	diaper
pavement	sidewalk
petrol	
petrol station	
post code	
queue	
reverse the charges	call collect
rubbish	
single(ticket)or	
sweets	
ар	
telephone box	
toilet(domestic)	restroom
timetable	
torch	
tram	
trousers	pants
undertaker	
waistcoat	
wallet	
windscreen	

याणेस्करणीकाणीयाणीक्षण

Adlal Steevson: There are na gains without pains.

Albert Camus: The saul af a murderer is blind.

Aldo Leopold: Canservatian is a state af harmany between men and land.

Aldous Huxley: There is anly ane carner af the universe yau can be certain af impraving, and that's your awn self.

Alexander Pope: A little learning is a danqeraus thing.

Alexander Solzhenltsyn: 1. Literature ... becames the living memary af a natian; 2. A great writer is, sa ta speak, a second gavernment in his country. And far that reasan na regime has ever laved great writers, anly minar ones.

Aesop: 1. United we stand, divided we fall, 2. Na act af kindness, no matter haw small, is everwasted.

Alfred Adler: It is easier ta fight far ane's principles than ta live up ta them.

Alfred, Lord Tennyson: 1. The ald arder changeth, yielding place to new; 2. And Gad fulfills Himself in many ways; 3. Lest ane gaad custam shauld carrupt the warld.

Ambrose Blerce: Admiration is aur palite recagnition of another's resemblance to aurselves.

Anonymous: It is a beggar's pride that he is nat a thief.

Antoine De Saint-Exupery: War is not an adventure. It is a disease.

Arthur Schopenhauer: Ta marry is ta halve your rights and dauble your duties.

Bal Gangadhar Tilak: A hause cansists af raams, but a raam daes nat mean a hause.

 Benjamin Disraell: 1. Justice is truth in actian; 2. There are three kinds af lies - lies, damned lies, and statistics.

Benjamin Franklin: 1. Na natian was ever ruined by trade; 2. Success has ruined many a man; 3. Time is maney; 4. There never was a gaad war ar a bad peace; 5. Early ta bed and early ta nse, makes a man healthy, wealthy and wise; 6. Laziness travels sa slawly that paverty soon avertakes him; 7. A single man ... is an incamplete animal. He resembles the add half af a pair af scissars.

B.F. Skinner: Education is what survives when what has been learnt has been fargatten.

B.R. Ambedkar: Self-respect is a mast vital factar in life. Without it man is a mere cipher.

Carl Sandburg: The greatest cunning is ta have nane at all.

Cervantes: Time ripens all things. Na man's born wise.

Charles De Gaulle: Haw can yau be expected to govern a cauntry that has two hundred and farty-six kinds of cheese?

Christopher North: Laws were made to be braken.

Danlel Boorstin: A sign of a celebrity is aften that his name is warth mare than his services.

Don Marouls: 1. A pessimist is a persan wha has had ta listen ta taa many aptimists; 2. An aptimist is a guy that never has had much experience.

Edgar Watson Howe: Half the pramises, peaple say, are never kept.

Edna St. Vincent Millay: Childhoad is the kingdam where na ane dies.

Elmer Davis: The Republic was nat established by cawards; and cowards will not preser

Eric Hoffer: We run fastest and fa:

Erich Segal: Lave means never having to say ou're sorry.

Euripides: The first requisite to happiness is be born in a famous city.

Franklin D. Roosevelt: 1. The nation that estrays its soil destroys itself; 2. Physical strength an never permanently withstand the impact of purtual farce.

Frank Lloyd Wright: An expert is a man ha has stapped thinking he knows.

Frederic Bastlat: Everyane wants to live at ne expense of the State. They forget that the tate lives at the expense of everyone.

Friedrich Nietzsche: The lave of truth has s reward in heaven and even an earth.

George Bernard Shaw: 1. Hell is full of nusical amateurs; 2. Property is arganized rabiery; 3. Assassination is the extreme farm of ensorship; 4. Demacracy substitutes election by he incompetent many for appaintment by the arrupt few; 5. My way of joking is to tell the ruth; 6. A life spent in making mistokes is not only more hanoroble but mare useful than a life pent daing nothing.

George De Nerval: Each flower is a saul opening out to nature.

George Ellot: The happiest women, like the nappiest nations, hove no history.

George Orwell: 1. All animals are equal, but same animals are more equal than athers; 2. If liberty means anything at all, it means the right to tell people what they do not want to hear.

George Santayana: I. Words are weapons, and it is dangerous ... to barrow them from the arsenal of the enemy; 2. Our dignity is not in what we do but what we understand. The whale world is daing things.

Gertrude Steln: A rose is a rase is a rose. Germalne De Stael: Lave is the history of a waman's life; it is an episade in man's.

Germaine Green: Freud is the father of psychoanalysis. It has no mather,

Girlsh Karnad: Aman must commit a crime at least ance in his life-time. Only then will his virtue be recognized. Goethe: I call architecture frozen music.
Golda Melr: I must govern the clock, not be

Golda Meir: I must govern the clock, not be governed by it.

G.K. Chesterton: 1. A good novel tells us the truth about its hero; but a bad navel tells us the truth about its author; 2. Angels can fly because they take themselves lightly.

Gustave Flaubert: A man is a critic when he cannot be an artist, in the same way that a man becomes an informer when he cannot be a saldier.

Harper Lee: The one thing that doesn't abide by majarity rule is a persan's conscience.

Harry S. Truman: If you can't stand the heat, get out of the kitchen.

H. Gordon Selfridge: The customer is always right.

Henry James: Art is a jealaus mistress.

Henry J. Kaiser: Problems are only opportunities in work clothes.

Henry Wadsworth Longfellow: Music is the universal language of mankind - paetry their universal pastime and delight.

Heraciltus: You can't step twice into the same river.

Herbert Spencer: Education has for its abject the farmation of character.

Herm Albright: A positive attitude moy not salve all your prablems, but it will annay enough people to make it worth the effort.

Horace: Who has self-confidence will lead the rest.

Issac Goldberg: Diplamacy is to do and say The nastiest thing in the nicest way.

James Branch Cabell: The aptimist proclaims that we live in the best of all passible worlds, the pessimist fears this is true.

Jawaharlai Nehru: 1. The basic fact of taday is the tremendaus pace of change in human life; 2. Demacracy and socialism are means to an end, not the end itself; 3. Who lives if India dies? Who dies if India lives?; 4. What is history, indeed, but a recard of change?; 5. Paverty anywhere is a danger to prosperity everywhere.

Jean Anouith: Every man thinks God is an his side. The rich and powerful know he is.

Jean Jacques Rousseau: Man was born free and everywhere he is in chains.

lean Paul Sartre: Once you hear the details of a victory, it is hard to distinguish it from a defeat. Jeremy Bentham: The greatest happiness

of the greatest number is the faundation af morals and leaislations.

John F. Kennedy: 1. Let us never negotinte out of fear, but let us never fear to negotiite; 2. When written in Chinese, the word

risis is composed of twa characters. One repesents danger and the ather represents oportunity.

John Keats: A thing of beauty is a joy for ver: Its loveliness increases; it will never pass into othingness.

John Locke: A sound mind in a sound body a short but full description of a happy state in is world.

John Ruskin: 1. Remember that the most eautiful things in the world are the most useless: eacocks and lilies, for instance; 2. There is really

o such thing as bad weather, anly different inds of good weather.

John Stuart Mili: All good things which xist are the fruit of originality.

John Wesley: Cleanliness is indeed next ta odliness.

Jonathan Kozoi: Pick battles big enough ta atter, small enough to win.

Jonathan Swift: 1. We have just enough ligion to make us hate, but not enough ta make i love one another; 2. Vision is the art af seeing ings invisible.

Joyce Kilmer: I think that I shall never see A em lovely as a tree.

J.R.D. Tata: Ta be a leader you have gat ta ad human beings with affection.

Karl Marx: From each according to his pilities, and ta each according to his needs.

King Baudouin I: It takes twenty years or ore of peace ta make a man: it takes only enty seconds of war ta destray him.

La Bruyere: Lifè is a tragedy for those who feel, and a comedy for those who think.

La Rochefoucauld: We promise according to our hopes and perform according to our fears.

Lord Byron: There is na instinct like that of the heart.

Louis XVIII: Punctuality is the politeness of kings.

Lucretius: What is food to one is to another bitter poison.

Ludwig Wittgenstein: If people never did silly things nothing intelligent would ever get done.

Mae West: I generally avoid temptation unless I can't resist it.

Margaret Chase Smith: When people keep telling you that you can't do a thing, you kind of like to try it.

Margaret Hungerford: Beauty is in the eye af the beholder.

Margaret Mead: Women want mediocre men, and men are working hard to be as mediocre as possible.

Martha Graham: Dance is the hidden lanquage of the soul.

Menander: Marriage, to tell the truth, is an evil, but it is a necessary evil.

Molly Ivins: I believe that ignorance is the raat of all evil. And that no one knows the truth.

Montaigne: It (marriage) is like a cage; one sees the birds outside desperate to get in, and those inside desperate to get out.

Mollere: 1. Men are all alike in their promises. It is anly in their deeds that they differ; 2. Things are anly worth what you moke them worth; 3. I prefer an occommodating vice to an obstinate virtue.

Mrinal Pande: 1. Sometimes a quarrel between the husband and the wife benefits the servants vastly; 2. My diaries have alwoys been my friends. The written word is so much more constant than human beings. Honest, too.

Muriel Spark: Being over seventy is like being engaged in a war. All our friends are going he dead and or gone and we survive c . field. dying as c

Napoleon Bonaparte: A leoder is a deoler n hope. Norman Douglas: You can tell the ideals of

notion by its odvertisements.

Oliver Goldsmith: 1. The first blow is holf he battle; 2. I love everything that's old: ald imes, old manners, ald books, ald wines.

Oliver Wendeli Holmes: The mode by which the inevitable comes ta pass is effort.

Oscar Wilde: 1. There is no such thing as o morol or on immoral book. Books are well writen, or bodly written; 2. A mon connot be too coreful in the choice of his enemies.

Pascal: If the nose of Cleopatra hod been a little shorter, the whale face af the world would hove been changed.

Percy Bysshe Shelley: 1. Poetry is the recard of the best and hoppiest moments of the hoppiest and best minds; 2. If winter comes, can spring be for behind?; 3. The wise want lave; and

those who love want wisdom.

Pliny The Elder: Na ane is wise at all times.

Plato: Of oil the onimols, the boy is the most unmonogable.

Rabindranath Tagore: 1. The butterfly counts not months but moments, and has time enough; 2. Heove no troce of wings in the air but I am glad I had my fight.

Ralph Waldo Emerson: 1. Nothing greot was ever ochieved without enthusiasm; 2. Every hera becomes a bare at last; 3. A sufficient measure of civilization is the influence of good women.

Rene Descartes: 1. Reading all the good books is like a conversation with the finest men of past centuries; 2. I think therefore I am.

Richard Steele: Reoding is to the mind whot exercise is to the body.

Robert Louis Stevenson: To trovel hopefully, is better thon to orrive.

Rudyard Kipling: 1. He travels fastest who travels olone; 2. More men are killed by averwork thon the importonce of the world justifies.

Samuel Beckett: We ore all born mod. Some remain so.

Samuei Butler: A hen is only an egg's way of moking onother egg.

Any fool can tell the truth, but it requires a man af some sense to know how to lie well.

Samuel Johnson: 1. No man but a blockhead ever wrote, except far money; 2. Language is the dress of thought. Shakespeare: 1. There is a tide in the

affoirs of men. Which, taken at the flood, leads on to fortune; Omitted, all the voyage af their life is bound in shollows and in miseries; 2. Cowards die many times before their deaths; The voliont never taste of death but once; 3. Uneasy lies the head thot weors a crown; 4. Neither a borrower nar a lender be; 5. Sweet are the uses of adversity; 6. Brevity is the soul of wit; 7. The devil can cite Scripture for his purpose.

Shankaracharya: 1. The eye sees all, but the mind shows us what we want to see; 2. The wealthy come to feor even their sons.

This is the way it is everywhere.

Simone De Beauvoir: One is nat born a womon, one becomes one.

Sir Henry Wotton: An ombossodor is on hanest mon sent ta lie abroad for the good of his cauntry.

Sir Walter A. Raleigh: In on exomination those who do not wish to know ask questions af those who connot tell.

Sir William Hamilton: On earth there is nothing great but mon; in man there is nothing great but mind.

Sophocies: One word frees us of all the weight and poin of life: That word is love.

Susan B. Anthony: Woman must not depend upon the pratection of man, but must be taught to protect herself.

Swami Chinmayananda: The eye sees all, but the mind shows us whot we want to see.

Sydney Harris: Nobody can be sa omusingly orrogant as a young mon who hos just discovered an old idea and thinks it is his own.

Theodore Roosevelt: There is a homely adoge which runs: "Speok softly and corry a big stick; you will go for".

Thomas Aiva Edison: There is no substitute for hord work.

Thomas Carlyle: 1. The history of the world is but the biography of great men; 2. Work is the grond cure of oll the maladies and miseries that ever beset mankind.

Thomas Paine-: My country is the world, ond my religion is to do good.

Thomas A Kempis: It is much sofer to obey thon to rule.

Thoreau: Rather than love, than money, than fame, give me truth.

Tiberius: To be a good shepherd is to shear the flock, not skin it!

Vandana Shiva: The nexus between modem science and violence is obvious from the fact thot 80 percent of all scientific research is devoted to the wor industry and is frankly oimed ot large-scale violence.

Victor Hugo: Youth, even in its sorrows, hos o brilliance of its own.

W.H.Auden: No hero is mortol till he dies.

Will Rogers: 1. Everything is funny as long as it happens to somebody else; 2.Rumour travels faster, but it don't stay put as long as truth.

William Cowper: Variety's the very spice of life, That gives it all its flavor.

William Hazlitt: 1. If you think you can win, you can win. Faith is necessary to victory; 2. Women never reason, ond therefore they are (comparatively) seldom wrong.

Wiison Mizner: Be nice to people on your way up because you'll need them on your way down.

W.R. Wallace: The hand that rocks the cradle. Is the hand that rules the world.

W. Somerset Maugham: People ask you for criticism, but they only want praise; Old age has its pleosures, which, though \different, are not less than the pleasures of youth.

Wilson Mizner: If you steel from one author it's plogiarism; if you steol from mony it's research.

abrow real

naxagoras (Philosopher): Give the boys a holidav

leurin Bevan (British Politician) : / wantto live because there are a few things I want to do

ne Boleyn(Queen consort) : The executioner is, I believe, very expert; and my neck is very slender.

himedes (Geek mathematician): Wait till I have finished my problem

ldha (Prince Gautama Siddhartha): *Decay* is inherent in all component things. gula(Roman emperor) : I *am still alive!*

nerine of Aragon (Henry VIII's first wife): Lord, into thy hands I commend my spirit.

Charlemagne (King of the franks): Lord, into thy handsI commend my spirit.

Charles Darwin(English naturalist): I am not in the least afraid to die.

Christopher Columbus (Italian explorer): Lord, into thy hands I commend my spirit.

Elizabeth I (Queen of England): All my possessions for a moment of time.

FDR Roosevelt (US president): I have a temific headache.

Franz Schubert (Composer): Here, here is my end. George Sanders (British film star): I am leaving you with your worries, good luck.

George V

who haven't said enough. very beoutiful over there. Katherine Mansfield (Writer): I love the rain, I Thomas Carlyle (Historian and essayist): So wont the feeling of it on my face. this is deoth, well.... Lady Jane Grey (English queen): Lord, into thy Vespasian (Roman emperor): I suppose I om

honds I commend my spirit. Lewis Carroll (Author): Take away those pillows, I shall need them no more. Lord George Byron(English Poet): Now I shall go to sleep. Lord George Byron (English poet): I must sleep

Georges Clemenceau (French Premier): I wish

to be buried standing - focing Germony

George Cuvier (French Naturalist): Nurse, it

Hamlet (Shakespearean character): The rest is

Henry Thoreau (American essayist): I leove this

Humphery Bogart (Film actor): I should never hove switched from scotch to Mortinis.

Julius Caesar (Roman statesman): Et tu, Brute

Karl Marx (Philosoher): Lost words ore for fools

world without a regret.

blood.

was I that discovered that leeches had red

Louis XIV (French king): Why weep you? Did you think I would live for ever? I thought dying was horder.

Nancy Astor (British politician): Am I dying, or

is this my birthdoy?

William Somerset Maugham (British writer): Dying is a very dull; dreary affair. My advice to you is to have nathing whatever to do with it.

Henry VIII (All Is True): I come no more to

Juilus Caesar: Hence, home, you idle crea-

Napoleon 1 (French emperor): France ! Army!

Niccolo Machiavelli (Italian statesman): I love

Goodnight my darlings, I'll see you tomor-

Oscar Wilde (Dramatist): I am dying as I have

Pablo Picasso?(Spanish artist):?Drink to me.

Sir Walter Scott (British novelist): God bless

Thomas Alva Edison(American inventor): It is

Victoria(British queen): Oh that peace may

Vittorio Alfieri (Italian poet): Closp my hand

Voltaire (French author and philosopher): Do

lived: beyond my means.

you all, I feel myself again.

now becoming a God.

deor friend, I am dying.

let me die in peace.

come.

Heod of the army! Jasephine!

my country more than my soul. Noel Coward (British playwright):

भूति। विकासिक रोगान विकासिक वि

tent. Romeo and Juliet: Two households, both alike in dignity in fair Verona Twelfth Night: If music be the food of love, play on. All's Well That Ends Well: In delivering

my son from me I bury a second husband.

Richard III: Now is the winter of our discon-

tures, get you home. Hamlet: Who's there? Othelio: Tush, never tell mel

make you laugh.

Richard II: Old John of Gaunt, timehonoured Lancaster.

Manorama Yearbook 2007

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Asimov, Issac: I Robot She died last month the age of Eighty Two.

Austen Jane: Pride and Prejudice. And they ere both ever sensible of the warmest gratide towards the persons who, by bringing

er into Derbyshire, had been the means of niting them.

Bronte, Charlotte: Jane Eyre Amen; even come, Lord Jesus.

Bronte Charlotte: The Professor Papa, ome!

Carroll, Lewis: Alice's Adventures in Wonderland. And how she would feel with all their imple sorrows, and find a pleasure in all their simple joys, remembering her own child-life,

and the happy summer days. Cervantes, Miguel de: Don Quixote. Farewell.

Clarke, Arthur C: 2001 But he would think of something.

Dickens, Charles: Great Expectations And had given her a heart to understand what my heart used to be.

Dickens, Charles: Oliver Twist. These, and a thousand looks and smiles, and turns of thought and speech- I would fain recall them every one.

Dostoevsky, Fyodor: Crime and Punishment. That might be the subject of a new story, but our present story is ended.

Heller, Joseph: Catch-22. The knife came down missing him by inches, and he took off.

Milton, John: On His Blindness. They also serve who only stand and wait.

Mitchell, Margaret: Gone With the Wind. After all, Tomorrow is another day.

Colours

White Alabaster : Yellow Amber

Argent Silver Carmine : Red (crimson)

Carnation: Rosy Pink Chocolate: Brown

Cinnamon: Yellow-Brown Cochineal: Scarlet

Brownish-Black Eboy Elephant Grey

Emerald Green

Reddish-Brown Hazel

Honey Yellow Indigo Violet Blue

Creamy-White : ivory Blue **Jupiter**

Brownish-Yellow Khaki Crimson Lake

Pinkish-Violet Lilac White LIIY

Mauve (mauvish-crimson) Magenta White Moon

Greyish-Green Ollve Bright-Red

Pillar-box Pale Yellow Primrose

Rluc Sapphire Pale Yellow

Straw Reddish-Brown Teak

Yellow Topaz Red

Vermillion: Bluish-Purple Violet

Charlest Completion of the Com

: the first person to enter a house in the New Year st footer

: wife of the President of the US or the Chief Executive of a s st lady

: the first night of a performance rst night

: the most skilled player rst-string player

: the highest quality, purest lustre, of diamonds and pearls rst water : an expert, a unique person or thing

ner ne-horse town ; a small, old fashioned and boring town

ne-liner : a short joke, a funny remark

ne- night stand : an occasion / person that you have sex with only once

ook after number one : to look after oneself and not worry about others.

econd banana : a person in a subservient position

: to be of secondary importance, one that plays a supporting lay second fiddle

: a gift of prophetic vision, intuition econd sight

econd-string : a substitute player, used when somebody else is not available econd wind : recovery of breath or renewal of energy in prolonged exerti

wo-faced : double-dealing, false

: to deceive somebody, to have a secret relationship with son o two-time

who is not your regular partner.

: A situation which depends on the co-operation of two peo wo-way street : the use of exhaustive questioning by the police to extort a Third degree

confession or information from a criminal or a witness

[hirdsman : a mediator

Third World : the poor, undeveloped countries of Africa and Asia

Three- ring circus : a confused situation or place due to too much activity Three-line whip

: a short, written order to MPs and MLAs about when and how to vote

Fourth dimension : time

Fourth Estate : the press, others being the Clergy, the Lords, and the Com

Four-eyes : one who wears glasses Four-flusher

: someone who cheats others

Four-letter word : a rude and offensive word

Fifth column : a group of people who work secretly for the enemy

Fifth wheel : one who is superfluous, unnecessary or burdensome

High five : the action of hitting the inside of somebody's open hand w

your own above your heads to celebrate a victory or as a greeting

: to stop working for a few minutes ke five

: intuition, the ability to know triings without using the five senses sense

: in utter confusion or disorder es and sevens

: to be supremaly happy venth heaven

: the desire for extra marital sex, which some secole have,

as they feel less satisfied with their spouses.

: in a highly disadvantageous or dangerous position nd the eight ball

: to be extremely happy loud nine : something that causes a great sensation only for a few days day's wonder

sed (up) to the nines: wearing the best or most formal clothes

to one chance : very probably

: a dime a dozen, to be very common, not unusual en a penny

: a stroke of great success, a very profitable bargain. strike

: at the last possible moment, just in time enth hour nineteen to the dozen: to talk very quickly and without stopping

: someone in his 30s who is educated, nich and well placed ty something

y winks : a short sleep, esp. after dinner

: share the cost of something equally ifty-fifty

in a thousand : a perfect wife y-four-thousand-

: a hard question to answer, the supreme or crucial question ar question

k like a million dollars: to look very attractive - ditch effort : a final, desperate attempt

somebody's last legs: to be very ill, likely to die soon

t straw that breaks

n year itch

ne camel's back : extreme limit of endurance

: the best, the most modern of its kind t word, the

ज्यां निवानं स्वरात

a carte: each dish priced separately .

a mode: according to custom or fashion.

priori: from cause to effect.

initio: from the beginning. hoc: for the particular end or purpose at

hand infinitum: endless. ad nauseam: to a sick ending degree. al fresco: in the open alr.

Alma Mater: applied to former school, university, or college. ante bellum: before the war.

apropos: to the point anotopile au pair: home-help

avant-garde: progressive or radical artists and enfant terrible: one whose unconventional behavior causes embarrassment. thinkers. ergo: therefore. baksheesh: gratuity or tip. bate noire: a thing or person viewed with esprit de corps: group spirit; feeling of camaraderie. particular dislike. eureka: I have found it. batik: cloth dyeing method using wax, the ex officio: by virtue of his office cloth itself. ex post facto: an explanation or regulation bete noire: a bugbear, pet aversion. concocted after the event. blitzkrieg: intense military attack fait accompli: thing already done. bon appetit: good appetite. fatwa: a legal decision, bona fide: with good faith. faux pas: social blunder, indiscretion. bonhomie: good-nature. glasnost: openness. bourgeois: middle-class person. carte blanche: full discretionary power. habeas corpus: a writ to produce a prisoner cause celebre: a notorious incident. before a court. caveat emptor: let the buyer beware. haiku: amusement verse. c'est la vie: that's life, hajj; pilgrimage. ceteris paribus: other things being equal. halal: cooked according to Muslim law. chutzpah: amazing nerve bordering on arrohaute couture: high fashion. haute cuisine: high-class cooking. corrigenda: things to be corrected. hoi polloi: the masses. coup de grace: the final blow. homme d'esprit: man of wit or genius. coup d'etat: forceful over-throw of a governibidem: in the same place. ment. id est: that is. creme de la creme: the best of the best. In camera: in secret. cum laude/magna cum laude/summa cum in extremis: at the point of death. laude: with praise or honor; with great in loco parentis: in place of a parent. praise or honor, with the highest praise or in memoriam: in memory of. honor. in pace: in peace. curriculum vitae: course of life, resume. in situ: in the original arrangement. dacha: Russian country villa. in toto: totally. de facto: in fact. in vitro: in a test tube. de jure: determined by law, as opposed to de inter alia: among other things. facto. ipso facto: by the fact itself. de rigueur: necessary according to convenin usu: in use. je ne sais quoi: I don't know what; the little dejavu: the sensation that something happensomething that eludes description. ing has happened before. jihad: a Muslim holy war. detente: an easing or relaxation of strained joie de vivre: joy of living. relations. Junker: class of prussian land-owning aristoce pluribus unum: one out of many emeritus: honourably retired. lus civile: the civil law. eminence grise: one who wields power behind kamikaze: Japanese suicide pilots in WWII. the scenes. kibbutz: Jewish community in Israel. en masse: in a large body. laissez-faire: unrestricted commerce. Manorama Yearbook 2007

prima facie: at first sight. laus deo: praise to God. locus sigilli: the place of the seal. lycee: in France, a state secondary school. magnum opus: a great work of art or literature. manu propria: with one's own hand. mea culpa: by my own fault. memoriter: by rote. meshugga: crazy. mirabile dictu: wonderful to relate. modus operandi: method of working. noblesse oblige: obligation of nobility or privileged to be honourable. noblesse oblige: the obligation of nobility to help the less fortunate. nom de plume: pen-name. non compos mentis: out of control of the mind; insane. non ens: nonentity. non liquet: it is not clear. nostro periculo: at our own risk. nota bene: note well. nouveau riche: pejorative for recent rich who spend money conspicuously. ora pro nobis: pray for us. origo mali: origin of evil. pace tua: by your leave. pari passu: wih equal pace; together. pars pro toto: the part for the whole. parvenu: an upstart or social climber. passim: every where; throughout. pax in bello: peace in war. per centum: by the hundred. per se: in itself. perestroika: restructuring. persona non grata: unacceptable person. per viam: by the way of. petit bourgeois: lower middle-class. pince-nez: spectacles without ear-pieces. post meridiem: after midday.

after event.

post obitum: after death.

temperamental person.

primae viae: the first passages.

pro tempore: for the time being. quaere: query; inquiry. quasi: as if; in a manner. que sera sera: whatever will be, will be. quid pro quo: one thing for another. quid faciendum?: what is to be done? quoad hoc: to this extent. quod vide (q.v.): which see. quondam: former. raison d'etre: reason for being. resurgam: i shall rise again. savoir-faire: dexterity in social and practical affairs. sayonara: goodbye. semper fidelis: always faithful. sensu bono: in a good sense. shlemiel: an unlucky bungling person. sic: bracketed insert in a text to indicate questionable word is correct. sine die: without a fixed date. sine prole: without offspring. sine qua non: an essential condition or requiresputnik: unmanned artificial earth satellite. status quo: existing order of things. sub judice: under consideration of a judge. table d'-hote: fixed-price meal with set courses. tabula rasa: a blank tablet. terra firma: solid ground. tete-beche: double-headed stamp. tour de force: feat accomplished through great skill. ultra vires: beyond the powers of. una voce: with oпе voice. vade in pace: go in peace. vale: farewell. verbatim: word for word. videlicet: namely. post-mortem: after death; autopsy; analysis vis-a-vis: compared with. viva voce: orally. vox populi: voice of the people. prima donna: leading female operatic star; Wunderkind: a highly talented child.

Zeitgeist: spirit of the times.

NOWL	

Manipur

Meghalaya

Mizoram

Orissa

Nagaland

Punjab

Pondicherry

Rajasthan

Tripura

Tamil Nadu

Uttar Pradesh

Uttaranchal

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elhi	4,231	223,249	615,499	32.51	67.42 37.10	12
ioa	392,250	84,522	125,229	62.90	79.73	- 1
Gujarat	40,707	5,710	15,390	20.27	73.64	
Haryana Himachal Pradesh	9,680 7,861	30,917	38,778 60,672	26.36	48.19	•
Jammu & Kashmir	7,861 15,993	44,679	356,656	51.81	, 59.7	4
Jharkhand	184,796	171,860	161,036	40.26 38.05		
Karnataka	64,838	96,198	174,606	70.51	. 21.	
verala	66,430	100,170	394,868	. 08	~ ^{70.}	
Madhya Pradesh	278,46	110,432	14,731	. 103	. 07	0.70 0.55
Maharashtra	1,454	2 847	, 3,	¹ 59.4	- "	5.13
Maniput	32	7	12.24	1	07	٠

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714

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69,280

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7,277

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583

5,780

35,780

35,258

210,591

12,070

74,503

440,538

4,043

363

12,241

1,672

12,823

203,325

153,262

1,077

17,174

311,818

29,271

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Source: NACO Manorama Yearbook 2007



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laman & Nicobar	Z,077	183,978	37:	3,105	90.31	1 9.	
dhra Pradesh	189,127	144	4 _	1,486	45.43	3 ^{54.}	
inachal Pradesh	1,342	39,945	5 7	1,178	25.4	. 74	
	32,333	35,52	2 4	47,622	72.3	30 ²⁷	
sam	12,100	14,99	oa :	54,138	28.6		1.
har	39,144	19,94	41	27,945	100.0		0
handigarh	8,004	17/2	0	2,218	100.	ne 7	74
hhatisgarh	2,218	-126	-	287,234	25.		48
padra & Nagar Haveli	74,619	212,6	,,,	8,276		.12	36.27
Delhi	4,231		045	615,499		3./2	67.49
Goa	392,250	223,2		125,229		2.51	37.10
Gujarat	40,707	84,	,5	15,390	04	2.90	79.73
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uimachal Pradesn	7,861	1 30	,917	60,672	, 4	26.36	48.19
lammu & Kashmir	15,99	3 44	4,679	60,01-	د ه	51.81	48.19 59.74
Jharkhand	184,79	171	1,860	356,656	D .	40.26	
Karnataka	64,83	38 9	6,198	161,030	·O	38.05	61.95
Kerala	66,43		08,176	174,60	,0	70.51	29.48
Madhya Pradesh			16,432	394,86	. 00	9.87	90.13
Maharashtra	278,		13,277	14,73	31 .	10.30	89.70
Manipur			2,847	3,1		59.45	40.55
Manipui Meghalaya	_	327	4,964	12,2	41	34.87	65.13
. Megnalaya Mizoram		277	1,089		672	54.40	45.60
Mizoram		583	71,229	156,	193	45.08	54.9
Nagaland	84	,964	7,043	12,	,823		82.4
Orissa		5,780	167,545	203,	,325	17.60	76.9
pondicherry	3.5	5,780	107,27~		,262	23.01	66.
Punjab	3/	5,258	118,004	4	,077	33.70	20.
Rajasthan		363	714		4,616	79.58	29
Sikkim	21	10,591	54,025	· .	7,174	70.28	76
Tamil Nadu	1	12,070	5,104	·	1,818	23.89	80
Tripura		74,503	237,31	-	29,271	13.81	1
Uttar Pradesh		4,043	25,22		09,818	86.41	
Uttaranchal	/	440 538	69,28	3031	19,010		

440,538

West Bengal Source: NACO

Uttaranchal

ATMICE A LIDIDIUS

Padma Awards

Padma Vibhushan (9): Adoor



Gopalakrishnan (Art, Kerala); C.R. Krisnaswamy Rao (Civil Services, Tamil Nadu); Charles Correa (Science and Engineenng, Mahasveta Devi (Literature and Education, West Bengal); Nirmala Deshpande (Social

Work, Delhí); Dr. Norman E. Borlaug (Science and Engineering, Mexico); Prof. Obaid Siddiqui

(Science and Engineering, Karnataka); Prof. Prakash Narain Tandon (Medicine, Delhi); Just. V.N. Khare (Public Af-

fairs, Uttar Pradesh).

Padma Bhushan
(30): A.K. Ilangal
(Art, Maharashtra);
Ustad Abdul Halim Jaffer
Khan (Art, Mahara-

V. Santha

shtra); Deepak Parekh (Trade and Industry, Maharashtra); Ms. Devaki Jain (Social Work, Kamataka); Ms. Dinesh Nandini Dalmia (Literature and Education, Czech Republic); Ganga

Prasad Birla (Social Work, West Bengal); Ustad Ghulam Mustafa Khan (Art, Maharashtra); Gregory Maximovich Bongard-Levin (Literature and Education, Russia); Dr. Gunter Kruger (Posthumous) (Trade and Industry, Maharashtra); Hira Lall Sibal (Public Affairs, Chandigarh); Dr. Jaiveer Agarwal (Medicine, Tamil Nadu); Air Commodore Jasjit Singh (De-

fence Services, Haryana); Prof. K.G. Subramanyam (Art, West Bengal); Kamleshwar Prasad Saxena (Literature and Education, Delhi); Prof. (Dr.) Kewal Kishan Talwar (Medicine, Chandigarh); Konidala Chiranjeevi(Art, Andhra Pradesh); Kunnath Puthiyaveetil Padmanabhan Nambiar (Science and Engineering, Karnataka); Prof. Lokesh Chandra (Literature and Education, Delhí); Dr. Madhav Gadgil (Science and Engineering, Maharashtra); Prof. Moolamattom Varkey Pylee (Literature and Education, Kerala); Prof. N.S. Ramaswamy (Social Work, Karnataka); Nandan M. Nilekani (Science and Engineering, Karnataka); Smt. P. Leela (Posthumous) (Art, Tamil Nadu); P.P. Rao



Sai Paranjpye (Art, Maharashtra); Dr. (Smt.)

Sal Paranjpye (wy)
Shanno Khurana(Art,
Delhi); Shashi
Bhushan (Public Affairs, Delhi); Tarun
Das(Trade and Indus-

try, Haryana); Dr. (Smt.) V. Shanta (Medicine, Tamil Nadu); Prof. Vijay Shankar Vyas (Literature and Education,



(Public Affairs, Uttar

Pradesh); P.S. Appu

(Civil Service, Kama-

taka); Ramakanta Rath

(Literature and Edu-

cation, Orissa); S.

Ramadoral (Trade and

shtra); Ustad Sabri

Khan (Art, Delhi); Ms.

Industry,

Mahara-

ajasuiani, Dr. rijay-par singinana (spore) /laharashtra). Padma Shri (57): Sheikh Abdul Rahman

in Abdullah Al-Mahmoud (Public Affairs, (atar); Ms. Ajeet Cour (Literature and Educaon, Delhi); Dr. Anil Prakash Joshi (Social Work, Ittaranchal); Aribam Shyam Sharma(Art, Manipur); Bahadur Singh (Sports, Punjab); Dr. huvaraghan Palaniappan (Medicine, Tamil ladu); Billy Arjan Singh (Wildlife Conservaon, Uttar Pradesh); Dr. Bonbehari Vishnu limbkar (Science and Engineering, Maharashtra); Dr. Devappagowda Chinnaiah

Medicine, Kamataka); Ms. Fatma Rafiq Zakaria (Literature and Education, Maharashtra); Gayatri Sankaran (Art, Tamil Nadu); Dr.

> Ghanashyam Mishra (Medicine, Orissa); Prof. Hakim Syed Zillur Rehman (Medicine, Uttar Pradesh); Dr. Harbhajan Singh Rissam (Medicine,

Delhi); Swami Hari

Kumar Gupta (Science and Engineering, Andhra Pradesh); Dr.(Smt.) llena Citaristi (Art, Orissa); J.N. Chaudhry(Civil Services, Delhi); Prof. (Dr.) Kamal Kumar Sethi (Medicine, Delhi); Ms. Kanaka Srinivasan (Art, Delhi); Kashmiri

Sovind Maharaj (Art, Uttar Pradesh); Dr. Harsh

tion, Chandigarh); Kavungal Chatunni Panicker (Art, Kerala); Dr. Laltluangliana Khiangte (Literature and Education, Mizoram); Or. Lothar Lutze (Literature and Education, Germany); Madhumita Bisht (Sports, Delhi); Madhuo Mudgal (Art, Delhi); Mangte Chungneijang Mary Kom Sports, Manipur); Mehmood Dhaulpuri (Art, Delhi); Dr. (5mt.) Mehmooda Ali Shah (Literature

Lal Zakir(Literature and Educa-

Sania Mirza



Jammu & Kashmir); Melhupra Vero (Social Work, Nagaland); Prof.(Dr.) Mohan Kameswaran (Medicine, Tamil Nadu); Mohan Singh Gunjyal (Sports, Arunachal Pradesh); Mrinal Pande (Journalism, Delhi); Prof. Narendra Kumar (Science and



Engineering, Kamataka); P.S.Bedi (Social Work, Pankaj Udhas (Art, Maharashtra); Prasad Sawkar (Art, Goa); Dr. R. Balasubramanian (Science and Engineering, Tamil Nadu); Rajendra Kumar Saboo (Social Work, Chandigarh); Ústad Rashid Khan (Art, West Bengal); Ms. Sania Mirza (Sports, Andhra Pradesh); Dr. Sanjeev Nagai (Medicine, Delhi); Dr. Seyed Ehtesham Hasnain (Science and Engineering, Andhra Pradesh); Ms. Shahnaz Husain (Trade and Industry, Delhi); Ms. Shobana Chandrakumar (Art, Tamil Nadu); Shree lal Joshi (Art, Rajasthan); Guru Shyama Charan Pati (Art, Jharkhand); Prof. Sitanshu Yashaschandra (Literature and Education,

Gujarat); Ms. Sucheta Dalal (Journalism,

maharashtra); Ms. Sudha Murthy (Social Work,

Karnataka); Sister Sudha Varghese (Social

Work, Bihar); Sugathakumari(Literature and Education, Kerala); Suresh Krishna (Trade and Industry, Tamil Nadu); Surinder Kaur (Art, Haryana); Dr. Suwalal Chhaganmal Bafna (Social Work. Maharashtra); Swaminathan Sivaram (Science and Engineering, Maharashtra); Dr. Tehemton Erach Udwadia (Medicine, Maharashtra); Dr.(Smt.) Tsering Landol (Medicine, Jammu & Kashmir); Prof. (Dr.) Upendra Kaul (Medicine, Delhi); Smt. Vasundhra Komkali (Art, Madhya Pradesh); Dr.

danorama Yearbook 2007

ashodhar Mathpal (Art, Uttaranchal).

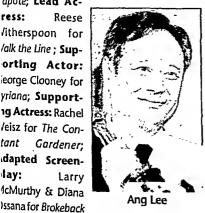
Kirti Chakra (Independence Day Presiential Awards): Major James Thomas of 10 ikh Light Infantry and Fireman Vijay Pal Singh f U.P. (both posthumous)

Films

nternational

Oscar Awards: Best Picture: Crosh; Irector: Ang Lee for Brokebock Mountain; ead Actor: Philip Seymour Hoffman for

apote; Lead Acress: Reese litherspoon for /alk the Line ; Suporting Actor: leorge Clooney for yriana; Supportng Actress: Rachel leisz for The Contant Gardener; dapted Screenlay: Larry 1cMurthy & Diana



fountain; Original Screenplay: Paul Haggis t Bobby Moresco for Crosh; Foreign Lanwage: South African film Tsotsi (Gavin Hood, irector); Documentary Short: A Note of Trimph: The Goldent Age of Normon Corwin; ocumentary Feature: George Clooney



Philip Seymour

March of the Penguins; Original Score: Gustavo Santaolalla for Brokebock Mountoin; Original Song: It's Hard Out Here for a Pimp from Hustle & Flow (Jordan Houston, Cedric Coleman and Paul Beauegard); Animated Feature: Nick Park

Bharat Ratna

The following are the recipients of Bharat Ratna so far. C. Rajagopalachari (1954); S. Radha krishnan (1954); C.V. Raman (1954); Jawaharlal Nehru (1955); Bhagwan Das (1955); M. Visweswanayya (1955), Govind Ballabh Pant (1957); D.K. Karve (1958); B.C. Roy (1961); P.D. Tandon (1961); Rajendra Prasad (1962); Zakir Hussain (1963); P.V. Kane (1963); Lal Bahadur Shastri (posthumous, 1966); Indira Gandhi (1971); V.V. Giri (1975); K. Kamaraj (posthumous 1976); Mother Teresa (1980); Vinoba Bhave (1983); 'Frontier Gandhi' Khan Abdul Ghafar Khan (1987); M.G. Ramachandran (posthumous, 1988), Dr. B.R. Ambedkar (posthumous, 1990); Dr. Nelson Mandela (1990); Rajiv Gandhi (posthumous, 1991); Sardar Vallabhai Patel (posthumous, 1991); Morarjee Desai (1991); J.R.D. Tata, Satyajit Ray, (posthumous), Maulana Abul Kalam Azad, (1992); Aruna Asaf Ali (posthumous); Gulzarilal Nanda (1997); APJ Abdul Kalam, M.S. Subbalakshmi, C.Subra- maniam (1998). Jaipra-kash Narayan (posthumous); Amartya Sen, Ravi Shankar, Gopinath Bordoloi (posthumous) (1999); Ustad Bismillah Khan and Lata Mankeshkar (2001).

and Steve Box for Wallace & Fromit for Curse of the Were-Rabbit; Art Direction: John Myhre & Gretchen Rau for Memoirs of a Geisho; Cinematography: Dion Beebe for Memoirs of a Geisho; Costume Design: Colleen Atwood for Memoirs of a Geisha:



Film Editing: Hughes Winbarne for Crash; Live Action Short Film: Martin McDonagh for Six Shoater, Makeup: Haward Berger & Tami Lane for The Chronicles of Namia; Sound Mixing: Christopher Bayes, Michael Semanick, Michael Hedges & Hammond Peek for King Kang; Sound Editing: Mike Hopkins, Ethan Vab der for King Kong; Visual Effects: Joe Letteri, Brian Van't Hul, Chrisitian Rivers & Richad Taylor for King Kong.

Best Script Award (Young Film Makers Film Festival, Toronto): Nine-year old Anstrul Khosla, producer & script writer for his documentary Love Changes Everything.

18th European Film Awards: French thriller Cache (Hidden) wins 5 awards including Best Film, Best Actor, Best Director, Lifetime

achievement award to Sean

Connery.

Turner Prize (Britain): Siman Starling for 'Shed boatshed' £25,000.

Freedom Award (Broadcast Film Critics Association): George Claoney.

IFFK Awards: Best film - Stalen Life (Rs. 10 lakhs), Best director - Lu Chun (Rs. 3 lakhs).

63rd Golden Globes: Brokeback

Mauntain wins best dramatic film, best director (Ang Lee), best screebplay, best song awards; Best actress: Felicity Huffman (Trans America); Best actor: Philip Seynaur (Capote).



National

rds: Film: Black; Director: Sanjay Leela Bhansali; Actor: Amitabh Bachchan (Black); Actress: Rani Mukherjee (Black); Critic's Award for Best Film: Black; Critic's Award for Best Actor: Amitabh Bachchan (Biack); Critic's Award for Best Actress: Rani Mukherjee (Black); Actor in Support-Ing Role: Abhishek Bachchan (Sarkar); Actress in Support-Ing Role: Ayesha Kapoor (Black); Actor



in a Comic Role: Akshay Kumar (Ga. Masala); Best Actor in a Villainous Ro Nana Patekar (Apaharam); Playba Singer (Male): Himesh Reshammi Aashiq Banaya Aapne (Aashiq Banaya Aap.

Playback Singer (Femal Alisha Chinai-Kajra re (Bunt Babli); Music Award Shankar-Ehsaan-Lay (Bunt) Babli); Lyricist: Guiz Kajrate... (Bunty ar Babli); I but Male: Shiney Ah (Hazaaron Khwahishein Ai Debut Female: Vidhya Ba (Parineeta); R.D. Burm Award: Shantanu Mali Choreography: Howi

Nana Patekar Rasemeyer (Parineeta); Art Directio Keshto Mondal. Tanushree Sarkar a Pradeep Sarkar (Parineeta); Story: Suc Mishra, Shiv Kumar Subramaniam & Ru Narain (Hazaaran Khwahishein Al. Screenplay: Nina Arora and Manoj Ty (Page 3); Dialogue: Prakash (Apabaran); Background Score: Mo. (Black); Editing: Bela Sehgal (Black); C ematography: Ravi K. Dhandran (Blac Action: Allan Amin (Dus); Sound Desi : Bishwadeep Chatteriee (Parineeta); LI time Achievement Award: Shaba Azmi.

Ashden Award (Green Oscar): Dr. Anand Karve of Pune, £30,000.

Science & Technology

emational

King Faisai international Prize, 2006: S. Narasimhan of TIFR and Simon Kirwan

naldson of UK. \$200,00.

First Prize in an international Space ence Competition: Kamal Tripuraneni, lian Student in Cambridge.

International Cosmos Prize, 2006: man Sukumar, Centre for Ecological Scices IISc., Bangalore.

Science Spectrum Traliblazer Award 06 (USA): Mala R. Chinoy, Indian Scien-

tional

Best Technology Laboratory 2005 vard (Mini. of S&T): ICRISAT

Faraday Medai(institution of Electri-Engineers): Azim Premji.

Dataquest IT. Person of the Year 2005:

an Karnik.

First india Science Award: Prof. C.N.R. o, Rs. 25 lakhs.

L.B. Shastri Nationai Award for Exllence in Public Administration and anagement Sciences (L.B. institute of anagement): Dr. Naresh Treshan, Escorts art Research Institute.

G.M. Modi Award for innoative Scice and technology: Kota Harinarayana. Shanti Swarup Bhatnagar Prize 006): Biologicai Sciences: Dr. Vinod akuni & Dr. Rajesh 🛮 Sudhir Gokhale 🔸 emical Sciences: Dr. Srinivasan Sampath Dr. K. George Thomas • Earth, Atmohere, Ocean & Pianetary Sciences: Dr. ıfran-Ullah Beig & Dr. Pulak Sengupta • edicai Sciences: Dr. Virender Singh

ngwan • Physicai Sciences: Dr. Atish abholkar & Dr. Sanjay Puri • Mathematiı**i Sciences:** Dr. Vikraman Balaji & Dr.

dranil Biswas • Engineering Sciences: r. Ashish Lele & Dr. Sanjay Mittal.

First Prize in an international Space Science Competition: Kamal Tripuraneni, Indian student in Cambridge.

Literature

International

British Book of the Year: J.K. Rowling's Horry Potter and the Half Blood Prince.

Neily Sachs Prize (Germany): Israeli

Aharaon Applefield.

Whitebread Award for best novel: Ali Smith's 'The Accidentol.

Commonwealth Writers. Prize: Eurasia region: Zadie Smith's

'On Beauty'. Orange Prize:



Zadie Smith for her third novel On Beauty .£30,000.

Man Booker Prize, 2006: Kiran Deasi, The Inheritance of Loss. £50,000.

(Winners 2004 & 2005: 2004 - Alan Hollinghurst The Line of Beauty; 2005 - John Banville The Sea)

National

Saraswathy Samman, 2005 (K.K. Biria Foundatio): K. Ayyappa Panicker, 'Ayyoppo Panickorude Kritikol. Rs. 5 lakhs.

Sahitya Akademi Awards, 2005: 24 writers. Hindi: Shyam Joshi, Kyop; Malayalam: G.V. Kakkanadan, Joppona Pukayilo; Telugu: Abduri Chayadevi, Tono Margom; Punjabi: Gurcharan Singh Bhullar, Agnikolos; Konkani: N. Shivdas, Bhaangarsoall; Oriya: Ramachandra Behera, Gopapuro; Bodo: Mangalsingh Hazowary, Jiuni Mwgthang Bisambi Arw Araj; Gujarati: Suresh Dalal, Akhond Zalor Vage; Kashmiri: Hamidi Kashmiri, Yath Miani Jaye; Sanskrit: Swami Rambhadracharya, Sri Bhorgovo-Roghoviyom; Sindhi: Dholan Rahi, Andhero Roshan Thiye; Tamil: G. Thilakavathi, Kalmaram; Kannada: Thaghavendra Patil, Teru; Nepali: Krishna Singh Moktan, Jeevan Goreto Ma; Assamese: Yeshe Dorje Thongchi, Mauna Ounth Mukhar Hriday; Urdu: Jabir Husain, Ret Per Khema.

Gyanpith, 2003: Vinda Karandikar, Marathi poet.

Sahitya Akademi Award: Arundhati Roy for her book 'The Algebra of Infinite Justice' (award rejected by the author)

Music & Arts

International

Grammy Awards 2006 Record of the Year: Baulevard of Broken Dreams, Green Day; Album of the Year: How ta Dismantle an Atamic Bomb, U2; Song of the Year: Sometimes You can't Make it on Your Own. U2; Best New Artist: John Legend; Best Female Pop Vocal Performance: Since U Been Gone, Kelly Clarkson; Best Male Pop Vocal Performance: From the Bottom of My Heart. Stevie Wonder, Best Pop Performance By a Duo or Group With Vocal: This Love, Maroon 5; Best Pop Collaboration with Vocals: Feel Good Inc., Gorillaz Featuring De La Soul; Best Pop Instrumental Performance: Caravan, Les paul; Pop Vocal Album: Breakoway, Kelly Clarkson; Best Dance Recording: Galvanize, The Chemical Brothers Featuring Q-Tip; Best Solo Rock Vocal Performance: Devils and Dust, Bruce Springsteen; Best Rock Performance By a Duo Or Group With Vocal: Sometimes You Con't Make it on Your Own, U2; Best Hard Rock Performance: B.Y.O.B., System of a Down; Best Metal Performance: Before I Forget, Slipknot; Best Rock Instrumental Performance: 69 Freedom Special, Less Paul and Friends; Best Rock Song: City of Blinding Lights, U2;Best Rock Album: Haw to Dismantle an Atamic

Mercury Prize: The Arctic Monkeys, far the best British Album

National

Sangita Kalanidhi (Music Academy): T.N. Seshagopalan, Carnatic vocalist.

Rashtriya Kishore Kumar Samman (M.P. Govt.): Shyam Benegai. Rs. 100,000. Kabir Samman (M.P. Govt.): Ashok Vajpayee.

Peace & Humanism

International

Pravasi Bharatiya Community Service Awards (GOP 10): Sudha Acharya, Dr. Ganesh Chand, Lord Dilfit S. Rana, Dr. B.R, Shetty.

Olof Palme Prize: Aung San Suu Kyi. \$50,000.

Mother-Teresa International & Millennium Award 2005: Sheikh Hasina, former Bangladesh Prime Minister.

Gandhi International Peace Prize: Shabana Azmi.

Right Livellhood Award: Ruth Manorama (India), Daniel Ellsberg; A poetry festival in Medellin, Colombia. (2m. kronor)

Honorary Award: Chico Whitaker Ferreira (Brazil)

National

Lifetime Achievement Award (Institute of Defence Studies and Analaysis): K. Subramanyam, defence analyst.

Communal Harmony Awards 2005: Hema Bharati (Assam) and the Ramakrishna Mission.

Innovation of India Awards: Kudumashree, Kerala Gavts. State Poverty, Eradication Mission.

Rajiv Gandhi National Sadbhavana Award: Nirmala Deshpande, Gandhian. Rs. 250,000.

Indira Gandhi Award for National in-

Bomb, U2.

tegration, 2005: Javed Akhtar. Rs. 1,51,000.

Media

International

Harry Chapin Media Awards, New York: Judges' prize to P.Sainath (The Hindu) Journalism for Tolerance of the Year 2005: Dionne Bunsha

Miscellaneous

International

World Press Freedom Prize: Mai Chidiac Lebanese TV journalist \$25,000.

Whitley Award (WWF-UX): Supracria Seshan. £30,000.

Sri Lanka Awards: Sri Lankabhimanya: Arthur C. Clarke; Sri Lanka Ratna; N. Ram. Golden Giobe Awards: Lifetime Achieve-

ment award to Sir Anthony Hopkins.

Miss World 2005: Miss Iceland Unnur Vilhjalms dottir, I runner-up: Miss Mexico Dagre Molina Lona; Second runner-up: Miss Puerto Rico Ingrid Marie rivera Santos.

Otto-Hahn Medal (Berlin): Boxing great Muhammad Ali

Borlaug Award: Dr. R.S. Paroda. Rs.100,000.

Ludovic Trarieux Award (founded by European lawyers): Pervez Imroz, Kashmiri numan rights activist.

World Entrepreneur of the Year (Ernst&Young): Bill Lynch, CEO of Imperial foldings, S. Africa.

Miss Universe: Zuleyka Rivera Mendoza Puerto Rico). Runners-up: Kurara Chibana Japan) and Lauriane Gillieron (Switzerland). Stockholm Junior Prize 2006

Stockholm Water Foundation): Wang to Weng Jie and Xiao Yi from a Shanghai School, China.

UNESCO-Madanjeet Slngh Prize, 2006: /eerasingham Anandasangaree, President, IULF. \$100.000. . Officer of the Legion of Honour (French Govt.): Aminich Bachenan

National

Karshakashri Award (Malayala Manorama): KV, Copi, is. 2 laifs

Dr. B.C. Zoy National Award: Dr. K.C. Aggarwal, Dehi, Dr.N.C. Pandey, Esscorts, Faridabad.

Prize for Aural Communication (UNESCO): Malaysla Mancrama for its campaign Palathull \$20,000.

Nameth Statta Award: Naraji Desimuk World's 50 Most Powerful Businesswomen (Fortune Magazine) include: Kiran Mazumdar-Shaw (Elocon), Chanda Kochar (ICC), Vidya Chizabria (Lunkogroup).

Prize for Best Water-Environment Friendly School: Kamballor Govt. H.S., Kasargoda (Rd.1,00,000)

All-India Management Association (AIMA) Life Time Achievement Award: Management: Mr.V. Krithnamurthy, Public Service: Mr.K.J. Rao; Tata Tea Corporate Leadership: Mr. K.V. Kamath

Entrepreneur of the Year (Ernst & Young): Kumar Mangalam Birla of Aditya Birla Group

Stars of Asia Award 2005 (Business Week Asia): Mani Shankar Aiyar, Petroleum minister.

P.C. Mahalanobis Birth Centenary
Gold Medal: Prof. Sankar K. Pal, Dir. of ISI.
Order of the British Empire: Gurvinder
Chadha.

Magsaysay Award: 1.Ek Sonn Chan, Government Service (Cambodian); 2.Park Won Soon, Public Service (Korean); 3.Gawad Kalinga Community Development Loundation, Community Leadership (Philippine); 4.Meloto, Antonio, Community Leadership (Fillipino); 5.Apostol, Eugenla Duran, John nalism, Literature and Creative Communication Arts (Filipino); 6. Rult, Service and International Unit - Spiling.



wal, Emergent Leadership (In-

attan Award: Khushwant

Prize, 2006

Name of the Film

E Andrew Fire and Craig Mello

Physics: John C. Mather and George F.

Smoot (both US)

Chemistry: Roger Komberg (US) Economics: Dr. Edmund Phelps (US)

Literature: Orhan Pamuk (Turkey)

Peace: Muhammad Yunus (Bangladesh)

Dire

and the Grameen Bank.



Language

Best Feature Film: Gold Medal / Swarna Karnal

	Chomana Dudi	Kannada	B.V. Karanth
	Mrigaya	Hindi	Mrinal Sen
	Ghatashraddha	Kannada	Girish Kasaravalli
	No Award	_	
	Shodh	Hindi	Biplab Ray Chaudhari
	Akaler Sandhane	Bengali	Mrinal Sen
	Dakhal	Bengali	Gautam Chose
	Chokh	Bengali	Utpalendu Chakraborthy
	Adi Sankaracharya	Sanskrit	G.V. lyer
	Damul	Hindi	Prakash Jha
i	Chidambaram	Malayalam	G. Aravindan
í	Tabarana Kathe	Kannada	Girish Kasaravalli
7	Halodhia Choraye Baodhan Khai	Assamese	Jahnu Barus
8	Piravi	Malayalam	Shaji N. Karun
19	Bagh Bahadur	Hindi	Buddhadeb Das Gupta
90	Marupakkam	Tamil	K.S. Sethumadhavan
91	Agantuk	Bengali	Satyajit Ray
92	Bhagavad Cita	Sanskrit	G.V. lyer
93	Charachar	Bengali	Buddhadeb Das Gupta
194	Unishe April	Bengali	Ritupamo Ghosh
<i>1</i> 95	Kathapurushan	Malayalam	Adoor Gopalakrishnar
996	Lal Darja	Bengali	Buddhadeb Das Gupt
997	Thai Saheb	Kannada	Girish Kasaraya
998	Samar ·	Hindi	Shyam Benegal
1999	Vanaprastham	Malayalam	Shaji N. Karun
2000	Santham	Malayalam	Jayaraj
2001	Dweepa	Kannada	Girish Kasaravalli
2002	Mondo Meyer Upakhyan	Bengali	Buddhadeb Das Gupta

Page 3		rathi
10.00		
Year Director	Best Director	
1076	Best Director - Gold	Madhur Bhandar Kar
107c Jalyajit Rav	Film	
1072 P. Lankesh		
1070 G. Aravindan	Jana J	ranya Language
1070 U. Aravindan	- 411QVI	
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G. Aravinda	Mukhamu	tt. Bengali
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Adoor Gopalakrish Shaji N. Karun	nnan Oridathu	^{Mala} yalam
Adoor Gopalakrishi Tapan Sinha	Anantharan	Hind:
Tapan Sinha	nan Piravi	Malavalam
Satyajit Ray	Mathiluba	^{iviala} yalam
Goute-	Ek Doct-	ivialayalam
Goutarn Ghose	Ek Doctor Ki Agantuk	Maut Malayalam
T.V. Chandran		
I I I I I I I I I I I I I I I I I I I	Padma Nadir Ponthanna	Majhi Bengali
Saeed Akhtar Mirza Agathua	Ponthanmada Hkhanmada	Bengali
	Hkhagoroloi Ba Naseem	ahu Door Malayalam
layaraj	Naseem Karl	Assamese
Rajivnath	Kathalkottai	ris
Buddhadeb Das Gupta Ritupamo Ghost	Kaliyattam	Hindi
Ritupamo Ghosh B. Lenin	Janani	Tamil
	Uttara	Malayalam Malaya
Apama Sen	Utsab	Malayalam
4011fam a.	Ooruku Nooruper Mr & Mr.	Bengali
hddhadeb Dar C		
Bhddhadeb Das Gupta	~ar Aranu-	Tamil
ctor		English
	Best Actor	Bengali
V. Vasudeva Rao	Film	Bengali
thun Chakraborthy pi		
Pi	Chomana Dudi	Language
n Mukherjee		v-
rauddin cu .	NOGIVett	Kannada
··· ivair	י מו שכוווום ויי	Mal
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lahasan	Oppol	^{Be} ngali
เก๋	Aarohan	. Hindi
	Moonnam Pirai Arth Sau	Malayalam
	Arth Sathya	Hindi
		Tamil
	(M	Hindi
	. Ma	orana Yearbook 2007
		2007

dian). Punjab Pattan Award: Khushwant Sinah.

7. Arvind Keiriwal, Emergent Leadership (In-

Nobel Prize, 2006

Medicine: Andrew Fire and Craig Mello

Economics: Dr. Edmund Phelps (US) Literature: Orhan Pamuk (Turkey) Peace: Muhammad Yunus (Bangladesh)

Chemistry: Roger Komberg (US)

Smoot (both US)

and the Grameen Bank.

Physics: John C. Mather and George F.

(both US)

Name of the Film

Dakhal

Year

1981

1986

1987

1988

1996

1997

1998

1999

2000

Best Feature Film: Gold Medal / Swarna Karnal

Language

Bengali

Malayalam

Bengali

Hindi

Kannada

Malayalam

Malayalam

Kannada

Bengali

19/5	Chomana Dudi	Kannada	. B.V. Karanth
1976	Mrigaya	Hindi	Mrinal Sen
1977	Ghatashraddha	Kannada	Girish Kasaravalli
197B	No Award	•	
1979	Shodh	Hindi	Biplab Ray Chaudhari

1979 Shodb Hindi 1980 Akaler Sandhane Bengali

1982 Chokh **Bengali** 1983 Adi Sankaracharya Sanskrit 1984 Damul Hindi 1985 Chidambaram

Malayalam Tabarana Kathe Kannada Halodhia Choraye Baodhan Khai Assamese Piravi Malayalam Bagh Bahadur

1989 Hindi 1990 Marupakkam Tamil 1991 Agantuk **Bengali** 1992 Bhagavad Gita Sanskrit 1993 Charachar Bengali 1994 Unishe April Bengali 1995

Santham 2001 Dweepa 2002 Mondo Meyer Upakhyan

Mrinal Sen Gautam Ghose Utpalendu Chakraborthy Prakash Iha

> G. Aravindan Girish Kasarayalli lahnu Barua

Director

G.V. lyer

Buddhadeb Das Gupta Buddhadeb Das Gupta

Shaii N. Karun K.S. Sethumadhavan Satyajit Ray G.V. lyer

Rituparno Ghosh Adoor Gopalakrishnan

Buddhadeb Das Gupta Girish Kasaravalli

Shyam Benegal

Shaji N. Karun lavaraj Girish Kasaravalli

Buddhadeb Das Gupta

Manorama Yearbook 2007

Kathapurushan

Lal Daria

Samar

Thai Saheb

Vanaprastham

KAKPAGAWI IMƏTITOTTO

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tonomous-Affiliated to Bharathiar University, Accredited by NAAC-Approved by UGC & AICTE

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Bioinformatics, Industrial Biotechnology,
Software Systems (5 Yrs.)

M.Phil

ommerce, Physics.

Courses

Research Programmes

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M.R.A.

M.S.W.

ımil, English, Maths, Microbiology, iotechnology, Management, Com. Scie., iochemistry, Social Work, Chemistry, Tamil, Management, Social Work, Chemistry, Biochemistry, Microbiology, Biotechnology, Commerce.

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Neythukaran Murali . Hindi 2001 Legend of Bhagat Singh Ajay Devgan Tamil 2002 Pithamagan Vikram Hindi 2003 Hum Tum Saif Ali Khan 2004 dor, 116. The oldest man is Eriliano Largest Aquarium: World's largest Mercado Del Toro, 114 of Puerto Rico. aquarium (Georgia Aquarium In Atlanta) The Largest US Family: Vladimir and opened on November 23. It is 500,000 Zynaida Chernenko, the Werainian-Amerisq.feet. can family in Sacramento has 17 children. At 69,852' above sea level: Aviator-Record Price for Painting: A masindustrialist Vijaypat Singhania, on Nov. terpiece by Paul Gaugin "Two Women" 26,2005 broke Per Lindstrand's record of sold for £12.3 m, during an auction in 64,997' above sea level by sailing at 69,852 February, '06 at Sotheby's. on a hot air balloon, thus becoming the Flying Record: Jet Airways set a new first man to sail at that height. record by flying 36,406 passengers on

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New Delhi Times

Tabarana Kathe

Nayakan

Mathilukal /

Agnipath

Bharatham

Krantiveer

Kaliyattam

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Pukar

Samantharangal

Dr. Ambedkar

Vanaprastham

Tahader Katha

Oru Vadakkan Ceera Gatha

Vidheyan/ Ponthanmada

Indian / Avai Shanmukhi

The Making of the Mahatma

Piravi

Naseeruddin Shah

Shashi Kapoor

Charuhasan

Kamalahasan

Mammootty

Mohanlal

Mammootty

Nana Patekar

Kamalahasan

1. Suresh Gopi

1_Mammootty

2. Ajay Devgan

Mohanlal

Anil Kapoor

Balachandra Menon

Largest Non-stop Flight : Boeing

777-200 LR worldliner set the record for

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in Nov. 05 flying Hong Kong-London in

The Oldest: The oldest woman is Maria

Esther Heredia Lecaro (Dec.05) of Ecua-

22 hrs. 43 min.

Manorama Yearbook 2007

Rajit Kapur

Amitabh Bachchan

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Feb. 16 crossed two million customer mark

in Delhi - the first Indian metro to have

Costilest cruise ship: Finland's Aker

this subscriber base.

Mobile Subscriber Base: Airtel on

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Biotechnology, Management, Com. Scie.,

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987	Kamalahasan	Nayakan T			
988	Premji	Piravi	Malayalam		
989	Mammootty	Mathilukal /			
		Oru Vadakkan Ceera Gatha	Malayalam		
990	Amitabh Bachchan	Agnipath	Hindi		
991	Mohanial	Bharatham	Malayalam		
992	Mithun Chakraborthy	Tahader Katha	Bengali		
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994	Nana Patekar	Krantiveer	Hindi		
995	Rajit Kapur	The Making of the Mahatma	English		
996	Kamalahasan	Indian / Avai Shanmukhi	Tamil		
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	2. Ajay Devgan	Zakhm	Hindi		
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2001	Murali	Neythukaran	Malayalam		
2002	Ajay Devgan	Legend of Bhagat Singh	 Hindi 		
2003	Vikram	Pithamagan	Tamil		
2004	Saif Ali Khan	Hum Tum	Hindi		
Records					
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New Delhi Times

aquarium (Georgia Aquanum In Atlanta)

Naseeruddin Shah

Shashi Kapoor

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Hindi

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Mobile Subscriber Base: Airtel on Feb. 16 crossed two million customer mark in Delhi - the first Indian metro to have

this subscriber base.

Costliest cruise ship: Finland's Aker

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Automobile Engineering Computer Engineering Textile Technology

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76 hours.

ship for Royal Carrbbean International at a cost of EUR 900 m. by 2005 - the most expensive ship so far. The 220,000 GRT

Yards will make a new generation cruise

ship will take 5800-man years of work to

complete. Biggest Dosa: The 30-foot dosa made by chef Sahhan Singh and his 15 member team is the largest dosa in the world.

Longest non-stop flight: Adventurer Steve Fosset covered 42,467 km in about

Mother at 62: Janise Wulf, 62, of Reddubg, USA, gave birth to a 2.3 kg baby boy, the 12th child. Janise, blind since birth, is a grandma of 20 and great-

grandma of 3 children. World's Largest Rail: The first consignment of 260-metre Long rail, the longest produced anywhere, was flagged off

from Bhilai Steel Plant in Feb. 06. indian Painting at \$1.47m: At Sotheby's auction, Syed Haider Raza's painting 'Tapovan' fetched \$1.47m, and Tyeb

Mehta's Falling Figure with Birds \$1.24m. Salary: A student of Indian School of Business, Hyderabad was offered a salary of Rs. 1.04 cr. by an Indian IT company, for an international position.

Oldest CEO: Jack A. Weil, 105, founder of Rockmount Ranch Wear is the oldest and longest serving CEO in the U.S.

Writing Exam at age 82: Gollapudi Prabhavati of Eluru, A.P. wrote a degree exam-in B.R. Ambedkar University in April, 2006, at age 82, to become a lawyer.

Biggest Real Estate Deal: In Delhi's biggest real estate deal, a DLF Universal-

in south Delhi in Apr. 06. Double Amputee's Everest Conquest:

Indiabulls joint venture bagged Rs.450.01

cr. bid for acquiring a 35.8 acre DDA land

On May 16, New Zealand mountaineer Mark Inglis, who lost two legs in a climbing accident 24 years ago, reached the summit of Everest, after 40 days of climbing.

Oidest Indian: Hizbib Miyan celebrated his 137th birthday in Jaipur.

21st Husband at Age 104: Wook Kundor, a 104-year-old Malaysian woman married a 33-year old Muhamad Noor Che Musa in May 2006. He is her 214 husband

Fancy Number for Rs. 12.1 cr.: A special mobile number (6666666) was auctioned in Qatar on May 23, 2006 for 10m

rīyals (Rs.12.1 cr.). Record Price for a Vase: In May 06 Steve Wynn paid the world record price o \$10.1m. for a small beautiful copper rec

Russian emperor Catherine the Great, dat-

and white porcelain vase. Record Price for Letters: A European collector paid \$750,000, a world record award, at a Paris auction in May, '06 for 26 letters from French philosopher Voltaire to

Waterskiing at 22 months: Cole Marsolek of Menomonie, in U.S.A took up waterskiing on a training ski in July 06. Its

mother.

ing from 1768 to '77.

age: 22 months. A long Poem: A Frenchman displayed what he claimed the longest poem in Aug. 06; nearly 76000 verses on a roll of fabric that stretched to almost 1 km.

Longest Sari: Seematti brought out the longest silk sari of 1585 feet.

Record Price: F.N. Souza's "Man and Woman* sold for \$1.36 m at Christiees in Sept., '06.

Record Price for Atlas: The first atlas ever printed - the 1477 edition of Claudius Ptolemy atlas - was sold for £2.14m. at Sotheby's in Oct.06

A Woman is the Wealthiest Chinese: Zhang Yin of Nin Dragons Paper is

the richest person in China Mother at 64: A 64-year-old Turk Memnune Tiryakigave birth to a baby boy in Oct. 06. She is the world's second oldest

PORTS ARIENA

PART



व्यविष्युक्त स्व

Sanil P. Thomas

t of adventure, the challenge of s and the thrill in conquering. This s the young blood into adventure new corporate culture expect you e spirit of adventure, the love of a nd wind in your sails.

breed of young professionals, esh the f.T. industry and BPOs ensuring generation have lots of money have brought new hope to sports any call centers are using adventure am-building exercise.

re is there in air, water, snow and an select the ideal one; less dangerless adventuring, but one can start

ourism is fast catching on in India as ow attached with adventure sports. ectorate of Mountaineering and Al-Manali, has been imparting trainous disciplines of adventure sports Every year the institute trains over ns in mountaineering, skiing and ts.

rie, Nainital, Haridwar, Rishikesh, nikhat etc are famous for adventure ourism.

pensive but slightly more painful way your adrenaline kick is rock climblimbing is less dangerous. Trekking amping form part of sports tourism. as some of the most developed rockareas. The road from Delhi to this adjoined by places suitable for ering. In Lado Sarai, Wellington Cresbetc. we can find rock climbing faMaharashtra Tourism Development Corporation used to organise mountaineering and rock climbing courses, based in Karla, a small town in the Mumbai-Pune highway. Instructors from Nehru Institute of Mountaineering, Uttarkashi sends instructors for three types of courses.

All-Terrain-Bikes or mountain biking began in the late 1970s when a bunch of cyclists in California rode down the trails of Mount Tamalpias. With so many hills and mountains India can go high as far as mountain biking is concerned.

Flying is an addiction. Once tried, it never leaves the blood stream. Flying boosts confidence and relieves stress as well. Many corporates are approaching llying clubs as it is an excellent distress.

The spirit of airmindedness was brought to the old Bombay Presidency by Sir Victor Sassoon Bart in 1928, when the Bombay Flying Club was incorporated as a limited company.

National Paragliding Academy in Pune was established in 1980. Paragliding is the aero sport freak's dream come true. Security clearance for air space is the only problem. One needs to be at least 50-100 k.m. away from major cities with airports.

The restrictions and regulations, proximity to airports, heavy national and international traffic, cut down flying hours severely. But the spirit of adventure remains, and young men and women flock to the flying clubs. Flying has a great future in rural areas and even suburbs.

Ballooning is not a sport for the young alone. One can practise it at the age of 50 or even above. Rather, it is not a dangerous sport. One n call it a lazy cruise in the sky but there is frenture.

Vishwa Bandhu Gupta, who was secretary, alloon Club of India was instrumental in makig the sport popular in our country. In 1988, e started the cross India Balloon Expedition. Delhi and many other cities organize bal-

oon melas. The crowd participation was overwhelming. Balloon can stay up in the air from wo to 20 hours. Most balloonists prefer to fly at a height of 50 to 150 metres over the coun-

ryside.
Paragliding is a mix of parachuting and hanggliding and is considered to be one of the easier pero sports to leam.

Of late, a defence lab in Bangalore has made a new kit with protective equipment and clothing that makes parajumping from a height of 30,00 feet easy.

In India, mountains stretch across 2,500 miles from the icy Ladakh to the remote Arunachal. Holidaying in zero temperature itself is a thrill. Skiing adds adventure to the holiday. The winter delights of the icy surfaces are little exploited.

Skiing started as a sport in India as early as in 1927 when the Ski Club of India was established in Gulmarg, 50 kms from Srinagar. Later Kurfi 12 kms and Narkanda 40 kms. away from Shimla became popular Ski resorts. Manali in Himachal and the slopes in Patalsu, Kotta, Rohtang are also known Ski centers.

Over 6000 tourists, rather adventure sports lovers, come to Rishikesh every year. Rafting season starts in the second week of September. Uttaranchal government's decision to shift from an earlier rent-based regime to a profit sharing programme itself discloses the heavy rush. Many rafting companies were in existence since 1980s.

In 1986, the Indian Rivers Runners Association (IRRA) set up a camp to promote with water sports at Brahmpun in Rishikesh. Estis confronted this as it was their place. Things have come a long way since then. The White Water

Challenge in Rishikesh is popular in and outside India now.

Rafting is finally being seen as an Indian sport. Pune's Swastik Co. introduced the first Indian built raft. The Slalom Event, which features obstacles and penalty points, is also well established in India. Canoeing and Kayaking are also introduced in white-water.

The term white water refers to the white foam which forms on the top of the water. It is made when the water hits rocks on its race downhill. Steep inclines of the riverbed result in the formation of rapids and whirlpools. Undercurrents and white water caused by roots of big trees are also there in India's rivers.

Avinash Kohli president of IRRA and India's Kayaking and Canoeing Association, is the pioneer of the water sport in India.

Rapids make rafting adventurous and rafters rate rapids according to their risk. The most difficult being six which is almost suicidal to attempt.

Wind surfing has grown with spectacular popularity in a very short span of time. And there are so many sailing clubs in India to help. Though many are in the defence sector, private clubs have also come up in a big way. Sailing is now easily accessible to the public.

The first Yacht race in India was held in Bombay in February, 1830. Hence we have a rich tradition. Further, we have an abundant and beautiful coastline. Those who like speed can look for water skiing and even para saling.

Zorbing (rolling the 16 ft. diameter sphere with two people inside from a height), hot air ballooning, bungee jumping etc. are not that dangerous and can be tried in rural areas.

There is a lot more scope for sports tourism. Different states and even local bodies can come out with plans as per the facilities available in their villages. The hilly area, the first area, the streams, the racks, and corais and planeaus can all be used to its advantage.

abore Meagini

12th Major for Tiger Woods

Tiger Woods claimed his 12th Major golf in the U.S. PGA championship (August, 2006). Woods has won 12 Majors by age 30 compared to eight by Jack Nicklaus.

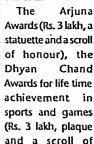
He earned his third PGA championship. He drew ever closer to Jack Nicklaus's record of 18 Majors. He surpassed Walter Hagens with 11. Earlier he tied with Hagen while winning the British Open. Though Tiger missed the cut at the US Open, he became the first player in history to go consecutive years winning at least two Majors.

Nicklaus compiled his 18 Majors in 25 years. Woods is at a dozen after only 10 years. It was the fifth Major that Woods won by at least five shots. He won his 12 Majors by a combined 56 shots, while Nicklaus won his 18 Majors in 44 shots.

Khel Ratna for Pankaj Advani

Ace cueist Pankaj Advani was conferred with the Rajiv Gandhi Khel Ratna Award, the highest individual sporting honour in India. The award cames a cash prize of Rs. 5 lakh, a

scroll of honour and a medal.





Pankaj Advani

honour and the Dronacharya Awards (Rs. 3 lakh, a plaque and a scroll of honour) were won by the following stars.

The list of awardees:

Rajiv Gandhi Khel Ratna award: Pankaj Advani (billiards & snooker).

Dhyan Chand awards: Uday K. Prabhu (athletics), Commander Nandy Singh (hockey), Harish Chandra M Birajdar (wrestling).

Dronacharya awards: Captain M Venu (boxing), Balwan Singh (kabbadi), Maha Singh Rao (wrestling), Ismail Baig (rowing).

Arjuna awards: Tarundeep Rai (archery), Dola Banerjee (archery), Manjit Kaur (athletics), Apama Popat (badminton), Anuja Prakash Thakur (billiards & snooker), Akhil Kumar (boxing), Surya Shekhar Ganguly (chess), Anju Jain (cricket), Viren Rasquinha (hockey), Ramesh Kumar (kabbadi), Gagan Narang (shooting), Shikha Tandon (swimming), Soumyadeep Roy (table tennis), Sushil Kumar (westling), Rajender Singh Rahelu (physically handicapped).

Federer equals Borg's record

Wimbledon champion Roger Federer (Switzerland) equalled Bjorn Borg's record of 41 consecutive victories on grass with a 6-0, 6-7, 6-2 victory over Czech Tomas Berdych in the final



he Halle Open (June 2006).

weden's Borg, a five times Wimbledon mpion, set the open era record for secutive wins on grass from 1976 to 1.

ngest Snooker World Champion

/ales' Michael White beat Scotland's Mark e 10-5 in the IBSF World Snooker Grand . White has become the youngest World oker Champion at the age of 14 years and onths.

lichael White, the winner of the 2005 h under 21 and 2006 Welsh Nationals, is dy in the Guinness Book of records as the gest cueist to have made a century in petition at age nine. ookergenius Jimmy White won the World

whilst just short of his 18th birthday.

1a completes triple

lena Isinbayeva (Russia) won the en's pole vault at the European athletics pionships too (Goteborg, Sweden). She ed 4.80 m. for a meet record. She had on the Olympic and World Championitle earlier. She holds the world record m).

in a row

esh Choudhary won the National Laser title for the 15th year in a row. He won ne radial and standard rigs class.

is ICC

cy Sonn of Africa re-Elison Mani ternational et Council ent The 56 ld lawyer is h man to fill

ost, and the



first from Africa. He will be president (took over in July 2006) for 2 to 3 years. He was president of the United Cricket Board of South Africa for 3 years until 2003.

9th title and record for Aparna

Apama Popat, the 27 year old star claimed a record ninth successive National women's badminton title. She beat Saina Nehwal (PSPB) 13-11, 11-3. She eclipsed the record of eight successive titles by Madhumita Bist.

Prakash Padukone is the only other player with nine successive singles titles (1971-79).

Anand in the 2800 dub

Viswanathan Anand joined the ELO 2800 dub. He got it at the Corus Super Grand Master tournament, Anand began with the event with 2792 points and gained 11 points here (April, 2006).

World champion Veselin Topalov took the first rank ahead of Anando Veselin (2804 points) - Anand finished with 2803 points. Krishnan Sasikiran (2691) and P. Harikrishna (2680) are the other Indians with great ELO ratings.

Chitra becomes World Champion

Chitra Magimsaraj (Karnataka) emerged champion in the World ladies billiards at Cambridge (April 2006). Chitra beat England's Emma Bonny 193-164 in the final. 32 year old Chitra lost in the quarterfinal of the world snooker.

Chitra has become the second Indian woman to have won the world title. Anuja Thakur was the first.

14th Grandmaster from India

Neelotpal Das of Bengal became the 14th and latest Grandmaster from India, when he earned his third and final Grandmaster norm at the 29th San Sebastian International Open ---- in Chain (Anril. 2006).

ist year at the sort inemational Open and t the Benasque Interational Open, respecively. He became Trandmaster immedîitely because he has in ELO rating of 2514. Das is the fourth

Grandmaster from



Neelotpal Das

Sengal behind Dibyender Barua, Surya Sekhar Ganguly and Sandipan Chanda.

sethi wins his 8th World title

Geet Sethi (India) regained the World proessional billiards title defeating England's Lee Lagan by over 1000 points. Sethi lost the title in 1998. This is his fifth professional world title after having won it four times in the 1990s. Sethi has eight world titles altogether.

He won the amateur world title three times.



World snooker team title for India

India won the seniors title at the IBSF inaugural world snooker team championship in Sam Jose, USA (August 2006), India

beat New Zealand 6-5 in the final, Geet Sethi. Devendra Joshy and B.V.S. Murthy played for India.

In the men's final India 'A' lost to England 3-8. Pankaj Advani, Manan Chandra and Yasin Merchant represented India 'A'.

Negi becomes youngest Grand Master

Parimarian Negi, the Delhi boy has become the youngest Grand Master in the world and second youngest in the history of the game.

On July 1, 2006, Negi made his third and final Grandmaster norm in the Chelyabinsk Region Superfinal chess tournament in Satka.

Negi became Grandmaster at the age of 13 years and 142 days. The earlier record was with Norway's Magnus Carlsen (13 year and 147 days on April 26, 2004).

The youngest ever Grandmaster title stands with Sergey Karjakin of Ukraine. He made it in 2002 at the age of 12 years and seven months.

India's chess prodigy Parimarjan Negi became the youngest International Master. He

achieved it at the age of 12 (January 2006) in the Hastings Masters tournament. He broke the record held by England's David Howell since Feb. 2004.

In the aforesaid tournament, Negi became India's youngest



Parimarjan Negi

Grandmaster norm holder at the age of 12 years and 330 days. He broke Koneru Humpy's record of 14 years and 84 days, set in 2001.

Armenia, Ukraine win Chess Olympiad

In the Chess Olympiad (Turin, June 2006) Indian men team finished 30th and women's 12th. There were 148 teams in the fray.

The first four places are as follows: men: 1. Armenia; 2. China; 3. USA; 4. Israel. women: 1. Ukraine; 2. Russia: 3. China; 4. USA.

Anand wins

Viswanathan Anandbeat Tejmour Radjaboo to win the chess classic at Mainz (Aug. 2006) for the sixth time.

Earlier, Anand won the 1st Cividad de Villarroblendo rapid chess title with 7.5 pts from 9 rounds at Villarroblendo, Spain.

Three Gold medals for India in World shooting

Abhinav Bindra clinched the world shooting championship gold, the first ever for the country, in air rifle (Zagreb, July 2006). He won with a total 699.1 points Alen George Moldoveanu of Russia finished 2nd (698.3 pts).

Manaviit Singh Sandhu won the gold in trap (143 out of 150).

Navnath Farthate won the junior men's air rifle gold. He shot 596 out of 600, a solitary point ahead of local lad Petar Gorsa in a field of 81 shooters.

Sonia Rai became the first Indian pistol shooter ever to win a World Cup medal. She won the bronze (482.2 pts) in air pistol in the World Cup (Brazil, May 2006). She is the wife



Abhinay Bindra

of former national skeet champion Amardeep Singh Rai.

Sunil Kumar wins world cadet title

India's Sunil Kumar won the 50 kg category world cadet boxing championship at Istanbul (Aug. 2006). He beat Agayev Ilkine of Azerbaijan 13-8.

Wimbledon still stands for men

Wimbledon tennis stuck to its rigid policy regarding prize money to men and women champions. Now Wimbledon remains the only Grand Slam not to offer its men's and women's champions equal prize money. In the 2006 tournament, the prize money for men's winner is £ 6,55,000 compared to the £ 6,25,000 first prize for the women.

Only in 2006, Ergnch Open organisers

announced equal prize money for men and women champions. The other two grand slam events - the Australian Open and US Open have been long time supporters of equal prize money.

Nadal

Rafeel Nadal (Spain) completed 54 consecutive victories on clay court to eclipse Gilermo Vilas's record of 53, established 29 years back. Later Nadal extended his winning streak to 60 with the French Open final victory.

Laureus Awards

Swiss tennis star Roger Federer was named the Laureus World sportsman of the year (2006) for the 2nd straight year. Croatian skier Ianica Kostelic won the women's award.

Martina Hingis took the Laureus 'Comeback of the year' award and Rafael Nadal was named 'Newcomer of the year'.

Athletics

China tops

China topped the medals tally in the 12th Asian junior athletics held in Macau (July 2006) with 23 gold, 11 silver and 5 bronze. Japan came second (25 medals, including 6 gold) and Qatar third with 7 medals.

India were placed 14th, poorest ever showing with just one silver and four bronzes.

66 Poles

Michael Schumacher created World Record in the number of pole positions achieved. He had his 66th pole while finishing top in the pre-competition race in San Marino Grand Prix in Imola (April, 2006). The previous record was with the late Ayerton Senna of Brazil. Senna had 65 poles to his credit.

Football

Barcelona (Spain) beat Arsenal (England) 2-1 to bag the UEFA champi06). Barcelona won the title early 1992. n the UEFA cup final (Eindhovan, Netherds, May 2006) Spanish club Seville beat

s tootball league title (ratis, may,

Power lifting ndian powerlifters reaped a rich harvest of

medals in the 18th Asian powerlifting impionship (Teaback city, Korea, May J6). ndia won a whopping 22 gold, 19 silver

I eight bronze medals. Also, they won men's team and overall titles.

ev in \$ million dub

ldlesbrough.

leev Milkha Singh became the third Inn to cross the coveted \$ one million mark career earnings on the Asian Golf Tour.

e first two were Arjun Atwal and Jyoti ndhawa.

leev is the 10th player to join the \$ million b on Asian Tour,

ina wins Philippines open

Saina Nehwal became the first Indian iman to win a four star (Grand Prix) badnton tournament. She defeated Julia Xian i Wong of Malaysia 21-15, 22-20 in the

men's singles final of the Philippines Open lay 2006). therlands, Germany Champions

Netherlands won the champions trophy ckey beating Germany 2-1. (Terresa, July 06). In women's tournament, Germany at China in the final 3-2 (Amsterdam, July

fia third

06).

Netherlands beat Australia 6-2 to bag the lan Shah hockey tournament (Kuala npur, June 2006). India beat New Zealand ! to clinch 3rd spot.

Commonwealth Games Medals Tally

MICIDUUITIE (2000)

Nation	G	- 5	B	T
Australia	84	69	68	221
England	36	40	34	110
Canada	26	29	31	86
India	22	17	11	50
South Africa	12	13	13	38
Scotland	11	7	11	29
Jamaica	10	4	8	22
Malaysia	7	12	10	29
New Zealand	6	12	13	31
Kenya	6	5	7	18
Singapore	5	6	7	18
Nigeria	4	6	7	17
Wales	3	5	11	19
Cyprus	3	1	2	6
Ghana	2	0	1	3
SAF Game	es Co	lomb	O	ij.

Medals Tally

Nation Gold SilverBronze India 118 69 47 Pakistan 43 44 71 Sri Lanka 37 63 78 Nepal 9 15 31 Afghanistan 6 7 18 Bangladesh 3 32 15 **Bhutan** 0 3 10 Maldives Ð 0

Germany wins **World Cup Hockey**

Germany beat Olympic Champions Australia 4-3 in a repeat of the 2000 final to retain the hockey World Cup, (Monchengladbach, September 2006). Though the hosts took the lead, Australia, who won their only World Cup in 1986 in London equalised and went into the lead. But Germany made an excellent comeback to clinch the title.

In the third place play-off Spain beat South Korea 3-2. Pakistan lost 0-1 to England to inish sixth.

India beat South Africa 1-0 to finish last but one. Exactly an eleventh place in the 11th edition of the World Cup of 12 teams.

In the women's World Cup (Madrid, October 2006) Netherlands beat Australia 3-1 in the final. It was Netherlands' first World title since 1990. Argentina beat Spain (5-0) to finish third. India earned 11th place.

World Cup hockey men-standings

đ

14	Germany	7 th	Netherlands
2 nd	`Australia	8 th	New Zealan
3rd	Spain	9 ^{ւր}	japan
4 th	South Korea	104	Argentina
5 th	England	115	India
ζth	Dakistan	12th	South Africa

Santhosh wins Silver

Santhosh Singh of India made history by winning a silver medal at the World Boxing Championship held in Agadir, Morocco. Santhosh was beaten in the final of the 54 kg category by Quatini Nehdi of Morocco 39-23.

This was the first time ever that an Indian made it to the finals of the world boxing meet.

Powell, Wariner, Sanya share Jackpot

lamaican sprinter Asafa Powell and American 400m runners Jeremy Wanner and Sanya Richards shared the Golden League jackpot for a perfect six wins in the six meet series.

Eachtook home \$ 2,50,000. Powell docked up his record 11th sub-10 sec. race in 2006 at Berlin (September). Wanner wrapped up his perfect six from six in the men's 400m and Sanya won the series, of women 400m races.

Kenenisa Bekele, Irving Saladino and Timesh Dibaba won the share of a second potol \$ 5,00,000 for athletes having won five out of six events.

7 Grand Slam title for Paes Thesixth-seeded Indo-Czech pair, Leander **ENTRANCE COACHING 2007-08** Classroom / Postal



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Paes' Grand Slam titles					
Year	Championships	Event	Partner	Score	
1999	French Open	Men's doubles	Mahesh Bhupathi (Ind)	6-2, 7-5	
1999	Wimbledon	Men's doubles	Mahesh Bhupathi (Ind)	6-7,6-3,6-4,7-6	
1999	Wimbledon	Mixed doubles	Lisa Raymond (USA)	6-4,3-6,6-3	
2001	French Open	Men's doubles	Mahesh Bhupathi (Ind)	7-6,6-3	
2003	Australian Open	Mixed doubles	Martina Navratilova (USA)	6-4.7-5	
2003	Wimbledon	Mixed doubles	Martina Navratilova (USA)	6-3,6-3	
2006	US Open	Men's doubles	Martin Damim (Cze)	6-7,6-4,6-3	

Paes and Martis Damm beat Belorussia's Max Mirnyi and Jonas Bjorkman 6-7, 6-4, 6-3 to clinch the U.S. Open tennis doubles title 2006. With this Paes has tested Grand Slam glory on seven occasions.

It took him closer to estranged partner Mahesh Bhupathi's Grand Slam tally of 10 title wins.

Europe win Ryder Cup

Europe beat U.S. 18.5 - 9.5 to win the Ryder Cup golf tournament (Streffan, September 2006) for an unprecedented third consecutive time.

India women win series

Indian women won the two Test cricket series 1-0 against England. In the 2nd Test held at Taunton, India led by Mithali Raj, beat England by 5 wickets. Jhulan Goswami got 10 wickets in the test. It was Indian Women's team's first Test Rubber in England.

Italy win World Cup

Italy won their fourth World Cup football title when they beat France 5-3 (1-1) in the final. Italians managed to break their shootout jinx by converting five out of five spot kicks.

Zinedine Zidane put France ahead in the 7th minute of a penalty kick. Materazzī's equalizer in the 19th minute gave impetus to the Italians. The French came back strongly in the second half but lost midfielder Patrick Vieira to a hamstring strain.

The final went into extra time for the fifth time.

But, Italy's victory was overshadowed by the sending off of Zidane nine minutes to the hooter for a head butt into the chest of Marco Materazzi.

Level 1-1 after 120 minutes of engaging football, it all got down to the missed penalty of David Trezeguet's - the only one missed. Italy beat France 5-3 in shootout. The Italians rose from ashes to become World Champions against all odds.

Germany finished third with a 3-1 victory over Portugal. The latest edition was in Germany (June-July 2006).

Argentina bowed to Germany in the quarter 3-5 (1-1). Brazil were beaten by France 1-0. Then it was all European semi final. (Further, Portugal beat England in quarter in penalty shoot out).

147 goals were scored in 64 matches (there were 161 goals in 2002). Germany's Miloslav Klose won the golden boot with 5 goals. It was not all that smooth with 345 yellow cards and 28 red cards shown.

It was Franz Beckenbauer, the 60 year old, who won a world cup in 1974 as a player and coached the Germans to another title in 1990, who engineered the triumphant World Cup.

And it was the end of the road for greats like Luis Figo (Portugal), Oliver Kahn (Germany), Pedro Paulete (Portugal) to name a few. The semifinal was Figo's 127th cap for Portugal. German coach Juergen Klinsmann had dropped Kahn in favour of Jens Lehmann, but recalled him for the third place playoff which Germany won. Paulete played 88 times for his nation.

Commonwealth Games

India finished fourth in the overall medalstally in the Commonwealth Games held in Melbourne (March 2006) with 22 gold, 17 silver and 11 bronze. Hosts Australia finished top with 221 medals including 84 gold, 69 silver and 68 bronze.

England came second with 110 medals (36,40,34) and Canada third with 86 medals (26, 29, 31).

A record 4,500 athletes from 71 nations took part in the 16 sports categories in the biggest Commonwealth Games yet staged.

22 Commonwealth Federations won at least one gold medal, including the Isle of Man and Papua and New Guinea.

The 19-year old Canadian, Alexandra Orlands swept six golds in rhythmic gymnastics and joined Australian swimming stars lan Thorpe and Susie O'Neill, as well as compatriot and swimmer Graham Smith as the only athletes to win six golds at one Game.

Australian swimmer Libby Lenton won five golds but the David Dixon Award for the outstanding athlete went to Samaresh Jung of India who also had five golds. Australia's women turned the Aquatic Centre into a river of gold, winning 16 of 19 events.

It was Jamaican domination in sprints. The Kenyans dominated middle-distance races and the hosts won the bulk of the field events. Jamaica's world record holder Asafa Powell won the men's 100 metres.

Kunjurani Devi lifted the first gold of Melbourne 2006 in the 48 kg category, creating a Commonwealth Games record in clean and jerk by lifting 94 kg. Geeta Rani (75 kg. + category) Yumnam Renu Bala Chanu (58 kg) etc also won gold. India's lifters won 13 gold in Manchester. But the rules were changed. Now it allows only one medal in a category instead of separate

medals for snatch, clean and jerk and total lift.

The Indian sharp shooter Samaresh Jung's bold bid for a record-equalling six Commonwealth Games gold medals ended with a whimper after his oun jammed in the 25metre std pistol event. Jung finished with 5 gold, one silver and a bronze.

India's Achanta Sharath Kamal beat Australia's William Henzell 11-5, 8-11, 5-11, 11-8, 11-8, 7-11, 11-8 to win gold in men's table tennis. Single Indian men's team beat Singapore 3-2 to clinch the gold. Their women counterparts took the bronze defeating Canada 3-2.

India's medal list is as follows:

Items	Gold	SilverBr	onze
Shooting	16	7	4
Weight lifting	3	5	1
Table Tennis	2	0	1
Boxing	1	2	2
Athletics	0	1	0
Badminton	0	0	2
Hockey	0	7	0

South Asian Games

India emerged atop the medal table with 118 gold, 69 silver and 47 bronze in the 10th edition of the South Asian Games held in Colombo (August 2006).

Kramnik is World Chess Champion

Russian Grandmaster Vladimir Kramnik overpowered Veselin Topalov of Bulgaria in a series of timed tie break matches to win the World Chess Championship (Elista, Russia, October 2006). Kramnik's victory was by a score of 8.5-7.5. Topalov resigned in the fourth 25 mine tie-break match.

The Longest War

It was the longest and the bitterest ever rar between Israel and the Arabs. For 34 ays in July-August 2006. Israeli forces ounded Lebanon, destroying its bridges, and buildings and killing people in undreds, Israel's declared objective was o crush the Lebanese militant group, lizbullah, and free the two Israeli soldiers had kidnapped on July 12. Israelis also ad a debt to repay to Hizbullah for forcng them out of southern Lebanon in 2000 which they had occupied for 18 years. lizbullah retaliated fiercely by sending ockets to northern israel as far as Haifa. 10 kilometers from the Lebanese border. siling many people. In total More than 1000 Lebanese and 150 Isrzelis were killed and over one million people displaced.

The war was a test by fire for Ehud Olmert, Israel's inexperienced new prime minister. The conflict in fact started on June 25 when a group of the Palestinian militant movement Hamas tunneled into Israel, killed two Israeli soldiers and abducted a third. They offered to trade the soldier for Palestinian prisoners held in Israeli jails. Olmert refused and started pulverising Gaza by bombs and rockets, killing more than 100 persons, most of them civilians.

The official residence of the Palestinian prime minister and Hamas leader Ismael Haniye was destroyed in a rocket attack and eight ministers of his cabinet were abducted from the West Bank. International community did not raise a finger against the disproportionate use of force by Israel and the UN Security Council kept mum. The US president George Bush justified the Israel's action saying that it had a right to defend itself.

It was then the Hizbullah crossed the border from Lebanon from Israel, killed eight of its soldiers and kidnapped two others. They also wanted the release of Arab prisoners in Israeli jails in exchange of the soldiers. Israel responded by sending its air force planes to attack the Beirut international airport and other targets across Lebanon. The war inflicted enormous damage on Lebanon which had just started to reemerge after 15 years of civil war that ended in 1990. A rocket attack on a multistoried building in the town of Qana killed 65 civilians, most of them children. The UN officials said that a third of the casualties in the war were of children.

The ferocity of the attack shocked the world. It was thought that Israel was purposefully targeting civilians to focus domestic anger on Hizbullah which was also working as political party in the country, with 12 members in parliament and two in the cabinet of prime minister Fouad Siniora. But it did not turn out in that way. Hizbullah with its fierce resistance against the Israeli attack won the admiration of the Lebanese people. It also emerged with its standing on the Arab street enhanced while that of Israel's once feared military and its political leadership was considerably dented.

It was in mid-August, the UN Security Council unanimously passed a ceasefire resolution. It called for deploying some 15,000 Lebanese troops in southern Lebanon after the Israeli withdrawal. The Lebanese force will work in tandem with a an expanded, 15,000 strong UN peace keeping force. The resolution also called for disarming the Hizbullah.

Though the war was primarily between Israel and Hizbullah, it was thought be a strategical duel between their respective mentors, the United States and Iran.

Olympicsover(lie)Vears

776 BC: The first ancient Olympic Games; AD 394: Roman Emperor Theodosius I abolishes the Games; 1896, Athens: The first modern Olympic Games. 14 countries represented; 1900, Paris: 1319 men, 26 countries in 75 events. 11 women compete in lawn tennis and golf; 1904, St. Louis: 13 countries; 1908, London: Athletes march into the stadium behind their nations' flags; 1912, Stockholm: Women compete in swimming: 1916: Games cancelled due to World War I; 1920, Antwerp: The Olympic Flag and the Olympic Oath introduced; 1924, Paris: Games moved to Paris; 1928, Amsterdam: The Olympic flame introduced. For the first time women compete in track and field events; 1932, Los Angeles: At the victory ceremonies, the winners stand on a victory stand and the flag of the winner is raised. Official automatic timing and photo-finish camera introduced; 1936, Berlin: Olympic torch relayed. Games televised. Entry of basketball; 1940, 1944: Games called off due to World War II; 1948, London : Germany and Japan not invited, but a record 59 other countries attend; 1952, Helsinki: Russia participates for the first time in 40 years; 1956, Melbourne: Netherlands, Spain and Switzerland boycott the games. The People's

Republic of China refuses to participate in the Games. Athletes from all nations enter the stadium in unity in the closing ceremonies for the first time; 1960, Rome: A black African wins a gold medal for the first time. The Games covered by television worldwide; 1964, Tokyo: Japan spends \$ 3 billion dollars to rebuild Tokyo for the Olympics; 1968, Mexico City: The Games held at the highest altitude ever - 7,349 feet; 1972, Munich: 11 Israeli athletes are killed when Palestinian militants storm the Israeli team headquarters; 1976. Montreal: Taiwan and African nations boycott the game; 1980, Moscow: For the first time, Games are held in a communist country. America boycotts; 1984, Los Angeles: 14 countries boycott due to security concerns; 1988, Seoul: North Korea, Cuba and Ethiopia don't participate; 1992, Barcelona: Every single nation with an Olympic Committee shows up, including Cuba, North Korea and South Africa; 1996, Atlanta: 179 nations participate, 79 win medals; 2000, Sydney: 10,651 athletes from 199 nations participate; 2004, Athers: The Olympic Games returns to their origins, 10,500 athletes and 5,500 team officials from 202 National Olympic Committees (NOCs) participate.

The Official Dlympic Flag

Created by Pierre de Coubertin in 1914, the Olympic flag contains five interconnected rings on a white background. The five rings symbolize the five significant continents and are interconnected to symbolize the friendship to be gained from these international

competitions. The rings, from left to right, are blue, yellow, black, green and red. The colours were chosen because at least one of them appeared on the flag of every country in the world. The Clympic flag was first flown during the 1920 Clympic Game.

Windeling Strategical and the Control of the Contro

I. Countries whose	representatives
have won the 120 Ge	entlemen's Singles
Championships	
United States (33), Bri	tish isles (32), Aus-
tralia (21), France (7),	, Sweden (7), Ger-
many (4), New Zealar	nd (4), Switzerland
(4), Great Britain (3),	
Egypt (1), Netherlan Croatia (1),	ds (1), Spain (1),
II. Countries whose	representatives
have won the 113 Lac	-
pionships	•
United States (50), Britis	h isles (29), Germany
(8), Great Britain (7), Fra	nce (7), Australia (5),
Brazil (3), Czech Republi	ic (1), Spain (1), Swit-
zerland (1), Russia (1)	
III. Winners of me	ost Gentlemen's
Singles' Championsh	
7 P. Sampras (USA)	1993-1995,
	1997-2000
7 W.C. Renshaw (BRI)	
IV. Winners of me	
Doubles Championsi	
9 T.A. Woodbridge (AL	•
	2000, 2002-2004
8 H.L. Doherty (BRI)	1897-1901,
, , , , , , , , , , , , , , , , , , , ,	1903-1905
8 R.F. Doherty (BRI)	1897-1901,
, ,	1903-1905
V. Winners of mos	•
Championships	t Laures Judies
9 Miss M. Navratilova (U	SAN1978 1070
· · · · · · · · · · · · · · · · · · ·	1982-1987, 1990
8 Miss H.N. Wills/Mrs.	•
F.S Moody (USA)	1927-1930.
, , ,	1932, 1933,
	, .,,

· 1935, 1938

12 Miss E.M. Ryan (USA) 1914, 1919-1923, 1925-1927, 1930, 1933, 19 VII. Winners of most Mixed Double Championships - Gentiemen 4 O.K. Davidson (AUS) 1967, 1971, 1973, 1974 4 K.N. Fletcher (AUS) 1963, 1965, 1966, 1968 4 E.V. Seixas (USA) 1953-1956

VI. Winners of most Ladies' Doub

Championships

VIII. Winner of most Mixed Double Championships - Ladies
7 Miss E.M. Ryan (USA) 1919, 1921,

1923, 1927, 1928, 1930, 19 IX. Winner of most Singles, Doubles

and Mixed Doubles Championships
Gentlemen
13 H.L. Doherty (BRi) 5 singles 8

doubles 1897-19
X. Winner of most Singles, Doubles an
Mixed Doubles Championships - Ladi

20 Miss B.J. Moffit/Mrs.
L.W. King (USA) 6 singles, 10
doubles, 4 mix

20 Miss M. Navratilova (TCH/USA) 9 singles, 7 doubles,

> 4 mixed 1976-2003

1961-1979

1914-1934

19 Miss E.M. Ryan (USA) 12 doubles, 7 mixed





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XI. Winners of Singles, Doubles and Mixed Doubles Championships in One Year -

Ladles				
1920	Miss S.R.F. Lenglen (FRA)	1950	Miss A.L. Brough (USA)	
1922	Miss S.R.F. Lenglen (FRA)	1951	Miss D.J. Hart (USA)	

Miss A. Marble (USA) 1939 Mrs. L.W. King (USA) 1973 Miss A.L. Brough (USA) 1948

1967

Mrs. L.W. King (USA)

F.A. Sedgman (AUS)

41 years, 182 days (1909)

14 years, 92 days (1990)

XILWinners of Singles, Doubles and Mixed Doubles Championships in One Year -Gentlemen

1937

J.D. Budge (USA)

Miss S.R.F. Lenglen (FRA)

J.D. Budge (USA) 1939 R.L. Riggs (USA)

1952

XIII. Youngest Champions Gentlemen's Singles B.F. Becker (GER) 17 years, 227 days (1985) Gentlemen's Doubles R.D. Raiston (USA) 17 years, 341 days (1960) Ladies' Singles Miss C. Dod (BRI) 15 years, 285 days (1887)

Ladies' Doubles Miss M. Hingis (SUI) 15 years, 282 days (1996) Mixed Doubles R.G. Laver (AUS) 20 years, 328 days (1959) Miss S.J. Williams (USA) 16 years, 282 days (1998)

XIV. Oldest Champions Gentlemen's Singles

G.P. Mulloy (USA) Gentlemen's Doubles 43 years, 226 days (1957) Ladies' Singles Mrs A Sterry (BRI) 37 years, 282 days (1908) Ladies' Doubles Miss E.M. Ryan (USA) 42 years, 152 days (1934) Mixed Doubles S.E. Stewart (USA) 42 years, 28 days (1988) Miss M. Navratilova (TCH/USA) 46 years, 261 days (2003)

A.W. Gore (BRI)

XV. The Youngest Competitors

Gentlemen's Singles S.B.B. Wood (USA) 15 years, 231 days (1927) Gentlemen's Doubles S.B.B. Wood (USA) 15 years, 234 days (1927) Ladies' Singles Miss J.M. Capnati (USA) 14 years, 90 days (1990) Ladies' Doubles

Miss J.M. Capriati (USA)

XVI. The Oldest Competitors

Gentlemen's Singles M.J.G Ritchie (GBR) 55 years, 247 days (1926) Gentlemen's Doubles J.R. Borotra (FRA) 65 years, 317 days (1964) Ladies' Singles Mrs. A.E. O'Neill (GBR) 54 years, 304 days (1922)

Ladies' Doubles Mrs. C.O. Tuckey (GBR) 54 years, 352 days (1932)

Mixed Doubles J.R. Borotra (FRA) 64 years, 320 days (1963) Mrs. A.E. O'Neil (GBR) 55 years, 304 days (1923)

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he Youngest Seeds

men's Singles B.R. Borg (SWE) 17 years, 19 days (1973)

Singles Miss J.M. Capriati (USA) 14 years, 89 days (1990)

The Oldest Seeds

men's Singles R.A. Gonzales (USA) 41 years, 45 days (1969)

Singles Mrs. L.W. King (USA) 39 years, 210 days (1983)

hortest Players

TIEN F.H. Arripon (PHI) 4 feet 11 inches 1943-1953

Miss C.G. Hoahing (GER) 4 feet 9.5 inches

1937-1938, 1964-1961

illest Players

mem Karlovic (CRO) (2003) 6 feet 10 inches

Events Nations

Miss L.A. Davenport (USA) 6 feet 2.5 inches

1993-2001, 2003, 2004 Miss E. Eovina (RUS)

2001-2004

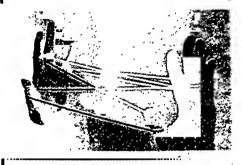
उद्यादिवास्त्र (१५५) स्थाप्य)

Date Venue

Mas 4-11	N. Delta	6	11	489	Japan/India/Iran
May 1-9	Manila	8	18	970	Japan/Philippines/South Korea
May 24 June I	Tokyo	13	20	1,422	Japan/Philippines/South Korea
Aug 24-Sept. 4	jakarta	13	17	1,545	Japan/Indonesia/India
Dec. 9-20	Bangkok	14	18	1,945	Japan/South Korea/Thailand
Dec.9-20	Bangkok	13	18	1,752	Japan/South Korea/Philippines
Sept. 1-16	Tehran	16	25	2,869	Japan /Iran/China
Dec. 9-20	Bangkok	19	25	3,842	Japan/China/South Korea
Nov.19-Dec.4	N.Delhi	21	33	4,595	China/Japan/South Korea
Sept.20-Oct.5	Secoul	25	27	3,345	China/South Korea/Japan
Sept.22-Oct.7	Beijing	27	38	4,684	China/South Korea/Japan
Oct.2-16	Hiroshima	34	42	7,300	China/South Korea/Japan
Dec.6-20	Bangkok	36	41	9,649	China/South Korea/Japan
Sept.29-Oct.14	Busan	38	44	10,500	China/South Korea/Japan
Dec. 1-15	Doha	39	45		

Part

Top



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Sports calendar: 2003

January

- India wins women's Asia p Cricket tournament beatg Sri Lanka in the final by 97 as at Karachi. This is India's cond consecutive tournaent victory in Asia Cup.
- 5. Parimarjan Negi becomes fia's youngest chess player to t a Grandmaster norm *Nanal Hockey Premier league gins in Chandigargh.
- 6. Ricky Ponting (Australia) sates a new record in Test cket by scoring centuries in ch innings of his 100th test stralia wins test series against outh Africa (2-0). Anuja takur becomes national omen's snooker champion.
- 10. 10th National football aque kicks off.
- 11. Aparna Popat becomes tional badminton women's ampion. Her ninth triumph national badminton chamonship is a record. Anoop idhar becomes men's chamon.
- 13. India Pakistan test cket series begins in Lahore. 15. Third Mumbai Internanal Marathon: Rono Daniel enya) and Seboka Mulu hiopia) become winners in en's and women's events reectively.
- Australian Open tennis imament begins.
- 17. First match in the Indok cricket series ends in a

- draw. Virender Sehwag equals Sir Don Bradman's record of hitting most boundaries in an innings (48).
- 20. Railways champions in 60th men's and women's section of National volleyball championship.
- 21. Second Indo-Pak test cricket series starts in Faizalabad. Former Captain Sourav Ganguly couldn't get place in the final eleven.
- 22. National School Athletic meet begins in Pune.
- 25. India-Pak second test ends in a draw. Man of the Match: R.P. Singh *Kerala emerges winner in School Athletic meet, recording a consecutive ninth championship victory to earn a triple hatrick. Kerala with 39 gold, 29 silver and 18 bronze earned 331 points.
- 28. French Amelie Mauresmo wins Australian open Tennis Womens singles.
- 29. The third and final test between India and Pakistan begins in Karachi. Indian pacer Irfan Pathan gets a hatrick in the very first over of the match, becoming the first bowler to do so •Roger Federer (Switzerlad) beats Marcos Baghdatis (Cyprus) in the final of the Australian Open men's singles category •Mahesh Bhupathi •Martina Hingis duo wins mixed doubles crown.

February

- 1. Bangalore Lions emerge winner in the second premie national hockey league beating Chandigarh Dynamos 2-1 in the last and third final *Pakistan clinches Indo-Pak test series 1-0, beating India by 341 runs in the third test of the series *Man of the series: Youris Khan.
- Uttar Pradesh clinches Ranji Trophy cricket tournament by earning a first innings lead over Bengal in the final. This was UP's first National cricket championship victory.
- 3. M.G. University emerges champions in inter university Athletic meet with 84 points. Calicut and Kerala win 2nd and 3rd position respectively. Men's individual champion: Ratiram (Rajasthan): Women's champions: M.A. Prajusha (Calicut) and Ashakumari (Himachal).
- Under 19 World cup cricket begins in Colombo. Former Indian cricketer Narendra Hirwani retires from first class cricket.
- 6. India-Pak one day cricket series begins in Peshwar. Pakistan wins as per Deckworth-Lewis rule, though the match was stopped due to bad light. Sachin Tendulkar completes 14,000 runs in one day wicket. Pak captain Inzamam UI Haq loses wicket by the rare 'obstructing the fielder' Austrakan captain Ricky Ponting awarded Alan Border award.

- 10. 20th edition of Winter Olympics begins in Turin, Italy Egypt wins African Nations Football cup. In the final, Egypt defeated wory Coast by penalty shoot-out 4-2. Nigeria came third defeating Senegal 1-0.
- 11. India beats Pakistan by 7 wickets in the second one day match at Rawalpindi. India enters semifinals of under-19 cricket world cup by beating West Indies by 126 runs.
- 12. South Korea beats India 4-1 in Asia-Oceania zone group I of Davis Cup tennis,
- 13. Kerala State College Games begins in Thiruvananthapuram, India wins third one day match against Pakistan at Lahore. Man of the match: M.S. Dhoni (72 runs). Score Pakistan 288/7, India: 292/5 Bangalore WTA open tennis begins.
- 15. Indian juniors beat England by 234 runs and enter finals of Under-19 World Cup •CC chief executives committee suggests to avoid super sub system in international one day cricket.
- 16. India once again beats Pakistan. In the fourth one day at Multan, Pakistan were beaten by 5 wickets. India leads series 3-1. Man of the match: R.P. Singh.
- 17. India-Pakistan hockey series begins in Chandigarh. In the first match, Pakistan beats India 2-1•Nimbus global media wins broadcasting rights for four years to telecast India's cricket (2700 crores).
- 19. India clinches one day series 4-1 by beating Pakistan in the last and final match at Karachi •Yuvraj Singh is ad-

- judged Man of the Man and Man of the Series. Rahul Dravid completes 9000 runs in ODI's Pakistan emerges champions in Under 19 World Cup cricket beating arch rivals India by 38 runs in the final LN.C.P.E., Thiruvananthapuram and Changancherry Assumption College championed (both scoring 38 points each) in Kerala College Games.
- Pakistan leads hockey series against India 3-0. In the fourth match, India draw Pakistan 1-1.
- 23. India announces team for test series against England. Former Captain Saurav Ganguly can't make it. Riyush Chawla, S. Sreesanth, Suresh Raina and Vikram Singh are new-comers.
- 24. Former Indian football goalkeeper Sanjeev Ujjil passed away in Mumbai •India beats Pakistan (2-1) in the fifth match of hockey series at Faizalabad •KSEB emerges winners in Kerala state club football championship by beating SBT 2-1 in the final.
- **26.** Manchester United crush Wigan 4-0 to lift the English Carling Cup football in Cardiff.
- 28. Ignace Tirkey becomes Indian Hockey Captain. Tirkey is the third captain from the tribal community after Jaipal Singh Munda and Dilip Tirkey. Sri Lankan ace spinner Muttiah Muralitharan plays his 100th test •Federation cup athletics meet begins in New Delhi. Annesha K. Viyan (CRPF) creates new meet record in triple jump and V.S. Surekha (Tamil Nadu) breaks record in pole vault.

March

- India-England test series begins in Nagpur.
- 2. Sri Lankan ace spinner Muttiah Muralitharan completes 1000 wickets in international cricket (both test and one day). Muralitharan, the first cricketer to achieve this feat, passes the milestone during the Bangladesh Sri Lanka test at Chittagong.
- First test between India and England ends in a draw.
 Man of the match: Mathew Hoggard.
- Second match of the India-England test series begins in Mohali. Piyush Chawla becomes the second youngest Indian test cricketer.
- **10.** Muttiah Muralitharan gets his 600th test wicket during the second test between Sri Lanka and Bangladesh.
- 11. Anil Kumble completes 500 test wicket to become the first Indian to do so.
- Australia-South Africa one dayer at Johannasberg turns historic. Australian score of 434/4 is a world record but South Africans overcome that score by 438/9 in 49.5 overs. Both teams score 872 runs. which too is a record surpassing the 693 runs scored by India and Pakistan in Karachi. 2004. South Africa clinches series 3-2. Aussie captain Rickey Ponting becomes the first Australian to complete 9000 runs in one day cricket • 2006 Formula - 1 season begins with Bahrain Grand Prix.
- 13. India wins Moher test by 9 wickets. Man of has Anil Kumble.
 - 15. 18th Com.

ames starts in Melbourne. 18. The last and third test

Team

Jancario Fisichella emerges

sinner in Malaysian Grand Prix

21. Sania Mirza named

VIA's best newcomer award

22. England defeats host

ndia by 212 runs in the

Jumbai test Andrew Hintoff

arns 60th Man of the match

nd Man of the series awards.

ZA. Two Indian weightlifters

chain Reju and Tejinder Singh

re found positive in daug test

26. 18th Commonwealth

larnes ends. Australia with 83

pld, 67 silver and 67 bronze

nedals (total 217) tops the

nedall tally. England and

anada emerces second and

hird respectively. India with 22

pold, 17 silver and 11 bronze

nedals (total 50) comes

outh Indian shooter Samesh

ung is named best athlete of

27. Indial's Gagang Narang

linches gold in LSSF, shoot-

ng world cup held at

wanshire and earns the 2008

Nympic quota. Narang be-

omesthe list Indian to qualify

28. India - England one day

enies begins in New Delhir In-

la wins the first match by 39

uns. Man of the Match:

ladibajan Singh •International

or the Beijing Olympics.

Commonwealth

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pends Indian weightlifting federation as four Indian etween India and England tasts in Mumbai. Sachin weightliften are tested positive

endulkar becomes the most in doning test. apped Indian test player (132 31. India-England onedayer ests). Rabiul Dravid plays his att Faridahard, India wins by 4

Renault's

wickets. Man of the match: Scresh Raira.

Weightlifting Federation sus-

April

GB. India wins by 49 nms in the third match of the India-England one day series held at Madooa • Gagan Ailt Singh ap-

pointed Captain of Indian hockey. V. Bhaskaran is the new coach 06. India-England fourth

one dayer at Kochi. India wirs

by four wickets, it ian of the match: Yuvraj Singh, India creates a new record of 15 consecutive victories by classing the apponents. Surpassing the

West Indies' 14 victories. 07. Davis Cup Asia - Oceania Zone Group I play off matches between India & Pakistan be-

gins. Both teams record one victory each. 08. India wirs the Doubles match in India-Pak Davis Cup.

the Indo-Pak Davis Cup Asia-Gosania zone Group I tournament. Afth on day match between India & England can-

09. India victorious (3-2) in

12. England defeats India by 5 widets in the sixth one day materi

15. India defents England by 7 wickets in the last and sev-

ceiled due to rain.

Yuwaii Singh.

enth one day match at Indore.

Scessorth. The series goes to India, 5-1. Man of the series:

Man of the match: S.

în Abudhabi. Pák wins the first match by six wickets.

day cricket tournament begins

India -Pakistan DLF one

19. India defeats Pakistan by 51 runs in the second match of DLF cricket tournament, Series goes drawn (1-1). Man of the

match: Virender Sehwag. of the Series: Inzamam U 20. Indian wicket ke

and batsman M.S. D.

ranked No.1 in ICC ba ranking. Shaun Poliock ra first among bowlers. 22. Michael Schum:

creates world record in pleting most number of positions in F-1 racing (6 tories). The qualifying rou San Marino Grand Prix him the title. He surpasse record set by Brazilian c

ian football coach Teli Sar (74) dies in Sao P Morocco's athletic let Hirchail El Guerrooj retires. 23. Michael Schuma tops San Marino Grand Pi

Ayrton Senna, *Former B

29. Former Olym hockey player Sankar Lax (72) passes away in Inc Cheisea wins English Pre league, it is Chelsea's ser consecutive league crown 30. KCC Board meeting

Dubai decides to allot 2 cricket world cup venues jo to India, Pakistan, Sri Lanka Bangladesh. Australia - New Zeal

will jointly host 2015 w cup cricket tournament England will be venue 2019 world cup. ICC decides to give 2007 Twe 20 world championship

South Africa

Linuxuma Yesebook 2007

May

- 02. Scott Graeme Smith is crowned world snooker champian.
- 03. FC Barcelona wins Spanish football league.
- 07. South zone under 21 football championship goes to Kerala (9 points) •Ferrari's Michael Schumacher wins European Grand Prix.
- Spanish club Seviya wins UEFA Cup Football championship, beating Middlesbroy 4-0 in the final.
- 11. Former boxing champion Floyd Patterson (71) passes away in New York.
- 12. Justin Gatlin (US) equals 100 m. world record (9.77 sec). He equalls the record set by Jamaican Asafa Powell, Gatlin reaches the landmark during the IAAF Super Tour Meet held at Doha.
- 13. Liverpool wins FA Cup football championship. They defeat West Ham in the final to claim their 7th FA championship.
- Team Renault's Femando Alonso finishes first in Spanish Grand Prix.

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- 17. Barcelona triumphs in European champions league, beating Arsenal 2-1 in the final.
- 18. India-West Indies one day series begins in Kingston. India wins by 5 wickets. Rahul Dravid becomes the first Indian to score a one day century in West Indies soil. Man of the match: Rahul Dravid. Bangkok hosts first leg of Asian Grand Prix athletic meet, India earns 12 medals - 3 gold, 5 silver and 4 bronze.
 - 19. Former Olympian footballer D. Kannan (71) passes away in Hyderabad.

- 20. West Indies beat India by one runs in the second one day match at Kingston, Man of the match: Ramnaresh Sarwan. India - Pak boxing series begins in Lahore, In the first match India's Parvinder Singh beats Nadir Khan.
- 21. Rajyavardhan Singh Rathore earns gold in double trap shooting in World Cup shooting held at Cairo.
- 22. Asian Grand Prix athletic meet second leg at Bangalore. India tops medal tally with 5 gold, 7 silver and 5 bronze medals.
- 23. India West Indies third one daver at St. Kitts. India defeated by 4 wickets. Man of the match: Ramnaresh Sarwan.
- 25. Bengal champions in Under 21 National football (Mahindra Dutta Trophy). In the final held at Jamalpur, they beat Punjab 1-0.
- 26. West Indies again beats India by 6 wickets in the fourth one dayer at port of Spain. Windies clinches series 3-1. Man of the match: Dwane Bravo.
- 27. Baichung Bhutia is named best player and best forward in the 10th national football league •East Bengal defeats National league champions Mahindra United (2-1) to clinch Super cup football.
- 28. Fernando Alonso (team Renault) finishes first in Monaco Grand Prix •West Indies clinches one day series against India (4-1). In the last and fifth опе day match, Windies defeat India by 19 runs. Man of the match: Dwaijne Bravo. Man of the Series: Ramnaresh Sarwan French Open tennis begins on a Sunday for the first time

- Saina Nehwal becomes the first Indian player to win a four star badminton toumament. She defeats Julia Xian Pei Wong (Malaysia) 21-15, 22-20 in the women's singles final of Philipes open at Pasig city, Manila. Bob Houghton (England) is appointed chief coach of Indian football.
- 29. Rafael Nadal (Spain) sets new record for most number of consecutive wins in day court. He achieves the feat while registering a victory against Robin Soderling (6-2, 7-5.6-1) at the French open. Nadal's 54th straight victory breaks the record set by Argentina's Guillermo Vilas in 1977.
- 30. Kerala wins National Youth volleyball championship in the women's section, beating host Kamataka in the final. But Kamataka men beat Kerala in the finals of men's section.

June

- 2. India-West Indies test series begins in Antiqua. Geeth Sethi regains world professional billiards title defeating England's Lee Lagan by over 1000 points. This is his fifth professional world title.
- Mesert Defar of Ethiopia sets new record in women's 5000 m. race during New York Grand Prix.
- 6. First test between India and West Indies ends in a draw. Man of the match: Wasin laffer.
- 9. 18th World Cup Football kicks off in Munich.
- 10. Second cricket test of the series between India & West Indies begins in Saint Lucia.

- 17. BCCI announces that 111 World Cup cricket final ill be held in New Delhi.
- 18. Former Indian football eptain V.P. Sathyan (41) ends e when he is knocked by a ain near Pallavaram railway ation, Chennai •English puash ace Peter Nicol retires om sports.
- 20. FIFA bans French footdicaptain Zinadine Zidane for matches for headbutting alys Marco Materazzi during the 2006 World Cup final. laterazzi will miss two latches for provoking the erich Captain. Zidane is fined asterazzi 5,000 francs. Since dane retired from football, he diperform three days of comunity service as part of FIFA's

amanitarian activities.

- 23. American Floyd Landis Tour de France cycling chamon following the final stage. **Z4.** Abhinav Bindra clinches dia's first ever gold in world tooting championship. At agreb, the 23 year old Olymian wins the 10m. air rifle. he other cases in which Indiis won medals are - Dr. Karni ngh -Säver, 1962, Cairo and iyavardhan Singh Rathore onze, 2003, Cyprus). Indian nior boys bag the country's st team medal in a world ooting championship earnq a third position. Harveen
- 25. Former Captain Dunga appointed national football bach of Brazil *Navnath othate bags junior men's air le gold in world shooting ampionship.

zo wins a bronze in air pistol

nior girls event.

- 27. India gains yet another gold in the world shooting championship. Manavjit Singh Sandhu wins gold in trap event. The Indian men's team win the silver •Tour de France winner Hoyd Landis' sponsor team announces that Landis is tested positive for abnormal levels of testosterone after stage 17 of the race.
- 29. Sri Lankan batsman Mahela Jayawardene and Kumara Sangakkara register new record for highest partnership in test cricket (627 runs) on the third day of first test against South Africa.
- 30. Michael Schumacher finishes first in the German F-1 Grand Prix *ICC formally recognises Twenty 20 cricket as an official format of cricket *Holland wins men's Champions Trophy hockey tournament defeating Germany 2-1 in the final. Spain clinches the third position beating Australia 5-4 on penalty strokes.

August

- O1. Former Indian footballer Ramachandra Balaram Parab passes away in Mumbai. He played in the 1948 Olympics. OS. Tour De France chamnin Ford Laufe is test adversi
- pion Hoyd Landis is tested positive in back-up doping.
- O6. Honda's Jenson Button registers his first ever victory in Formula One during Hungarian Grand Prix.

Visivanathan Anand wins the 21st Ciudad de Villamobledo rapid chess title in Villamobledo.

13. Football players Association (FPA) of India is launched at Kollata.

- Baichung Bhut named captain of Indian ball.
- 16. South Africa pulls of Unitech tri-series cricket to ment following a bomb in Colombo two days back other teams India an Lanka decide to play a match one day serie Colombo.
- Tirkey appointed tain of India hockey tean the hockey World Cup.
- 18. South Asian, fom SAF Games, begins Colombo.
- 20. Ball tampering cor versy once again rocks cri On the fourth day of the test against England at the Pakistan is penalised five and ball is changed for ball pering. Pakistan boyc match. The three ma Unitech cricket series betw India and Sri Lanka is called to bad weatl Viswanathan Anand wins Chess classic at Mainz for sixth time.
- 21. ICC declares Engl winners in the oval test foll ing Pakistan's decision not play.
- 22. US athlete Justin Gareceives a eight year ban frathletics following a positioping test.
- 23. National sports awa declared. Cueist Pankaj Adv gets Rajeev Gandhi Khel Ra award. M. Venu (boxin Maha Singh Rao (wrestlin Ismail Baig (rowing) a Balwan Singh (Kabbadi) conferred Dronachai awards. Pakistan's former crieter Wasim Raja (54) pas

by 16 mus in the fil series one day tompoment. More of the match, Harbhajan Singh,

21. 60° Hattorial vertor aquatic championship starts in Bangalare,

22, hids deteated by the mighty Austes of a mouth of Direction in the Official Comnament

23. D.P. Single from pools of the bide rating open decytamented,

28. Australia bits tilnations
DEF cricket i hampforishlip,
beating West Indies by 127
mos to the linals, flectifies declaest Mair of the scries and
Mair of the match *Marthia
Hingts wins Sunfeast Open
Singles litle Sanki Mirza - Fizel
Hobist direconssionbles litles.

25. Shand Payarte elected ttt CT President. Kamataka canciges overall champions in the 60% Senior National aquatics—championship.—hullatinathes Cakistan 4-0 in the Obeler (Paicket operlays des.

Winners Heckey world Cup tregies to Madrid #Hilip Vengankarnamed flainnar of the clicket whether countities Kapildey becomes Cricket Asademy Chaiman

JR Pakislar cicket captain frameword Right tampering changes during the togand Pakistan cicket test at the Osal on Aug. Jit that Colongwess a lum match uncelay barr on bits for leading a protest against the ampires.

October

98. Michael Schumacher wars Manghall - Lypand Pitz «Bermucki Alonso finishes second «Challenger Impliyericket souroneul starts hr Chemal, hr the thst match, hidla Red defeats hidla Blues.

O5. Former Olympic silver methilst and supporter of the 1960 'black power salute', Peter Norman (64) dies in Melbourne,

Q4. India Blue and India Red declared Joint whiners in the NKP Salve Challenger Trophy citcket formament, Player of the selest VRV Shigh.

05, Prech forethaun (Ballways) creates new rational ceord in women's 10,000 in race duing National Openatilette meet.

OF RC champions trophy cricket transament, known as add world cup freques in Mehalls in the list match, 51 hanks heals Bangladesh by 37 mas.

Ott. Termando Aloma clinches Suzukal al quand pilx, Michael Schumacher conduct complete the race because of engine damage.

TG Rest of India filts hant trophy beating OP by 9 wicks ets.

12. South Alica's Herschella Gibbs reveals Delhi police that heway part of compliacy in the betting soundal chinning South Africa's Indian turn of 2000. Former captain Hansle Cronic offered that money to becoming part of th.

11. Vadimb Kammk of Bosslabecomessond chess chanplun. Kammk is the first andversally recognised world champlun sinco 1994, defeating finigade's Vasella Topalov to Hista.

15. Kenya's Lanch Kibkyott and Hugh Chepkhulysin neo's and women's category in Debt half marathon • 5ac Fendulkar becomes the recapped one day internationicket player (36th match biella bears England by 4 wiets in the ECC champions I play at Jaipurs Man of the Match: Munai Patel.

16. Pakistan bowlers Sho Aktar and Muhammed A who were tested pusitive arrabolic steroid nandrolo were recalled from ISC cha plons trophy.

19. ICC makes it clear if only if has the power to restate banned players.

20. National Hockey cha ploushly begins in Chema

22. Benault's Fernau Alonya dinches the 2006 di erst et championship with t points, in the mazilian Gia Pitx, Lemant's Fellin Massa (Ishes Hat, denout with A polyty gamy the fram cha phonolip • Michael Sch mather rother ·Mai Sharapoya who Zuilch Op heating Dank Hantuchova 6-1, 4-6, 6-3 the that

25. Punjah wins Santor Trophy, beating the might

attiletter ment held warangal (New Zealandra) talu Stephen Heming become the most capped skipper one day international cicks (194 marches) overtakin Adjuna Ranatunga's records 194 marches 26. West huld heats India by Evicketranis ICC Champions Trophy, Marches and the march: Shivnain Chamberpaul.

The Exciting World of Hobbies

The pursuit of a hobby offers enjoyment, education, companionship with others of similar interests, relaxing diversion, and very often moderate monetary gain.

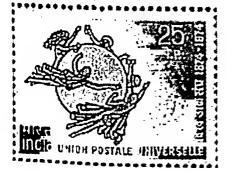


An educator named Rowland Hill of England is considered the Father of Philately. The world's first postage stamp was issued in 1840 by Great Britain. Two years later stamps were used by a private postal service in New York. Brazil and two Swiss cantons (Zurich and Geneva) were the next to issue stamps. The U.S. used its first stamps on July 1, 1847. India's first stamp appeared in 1852.

The bits of coloured paper were a curiosity and used specimens were retained by some people. Thus the hobby was born. The interest spread rapidly and everywhere men and women began hunting for used stamps of different countries. By 1850, the hobby had taken root.

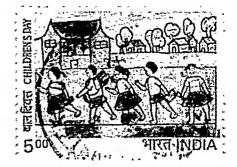
Today stamp-collecting is the world's most popular hobby. It is described as 'the hobby of kids and kings'.

What makes a stamp precious is rarity,



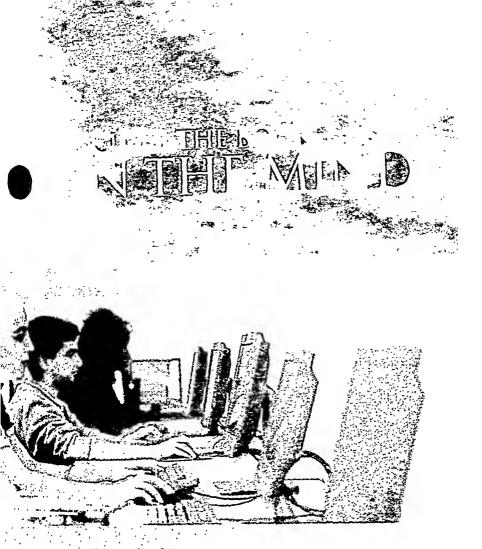
demand and good condition. There are many philatelic gems which are much sought after. Many of these are stamps with errors in printing. A good example is the one-penny Mauntius stamp of 1847 on which the inscription happened to be "Post Office" instead of Post Paid', by mistake. There are hundreds of stamps which are valued above 1,000 dollars.

In recent times the study of stamps has been taken up by many. Research papers on philately are published often. There are muse-



ums of stamps and philatelic libraries, not to mention the umpteen stamp clubs. Stamp catalogues, albums and other accessories for the stamp collector are sold in large numbers every day. Philatelic exhibitions and stamp auctions are regular events in many cities. There are also journals devoted to philately and we hear about philatelic journalists. Many modern newspapers have stamp departments to cater for the tastes of their stamp-loving readers.

Stamps have a new face now. They are a form of investment, like paintings or share certificates. In advanced countries, stamp investment has reached a high degree of growth. Indians too are now investing in



2 universities, 24 professional colleges, 12 professional streams,
Asia's largest library, 169 courses, 96,000 students from over 51 nationalities,
270,000 alumni, a presence in almost every English speaking country,
one-third of all doctors practicing outside India are from Manipal.





gins.

Cover: A complete envelope, folded letter sheet, or wrapper, with all markings intact to show that it has passed through the mails. When post marked on the first day of sale of a newly issued stamp, it is a first day cover. When originating in the course of normal business or social correspondence, it is known as a commercial cover. A stampless cover is one that originated in a period when postage stamps had not yet come into use or when their use was not yet mandatory.

Denomination: Denomination is the inscribed value of a stamp.

Dle: The piece of metal or other material on which the original design of the stamp is engraved and is used for making a printing plate.

Die Proof: A proof or trial impression taken directly from the die.

Embossing: A process allied to printing, whereby the whole or part of a design is raised or in low relief by the help of a die.

Engraving: The art of cutting stamp designs on metal, wood etc. to prepare a die for the printing of a stamp.

Error: A mistake in the stamp's design or one appeared after its production.

Face Value: The value of a stamp as printed thereon or its equivalent in local currency at the prevailing rate of exchange.

Fake: A genuine stamp/post mark which has been altered or repaired in some way to hide a defect or to make a common item resemble a rare one, for the purpose o ceiving collectors.

Fiscal: An adhesive or other stamp signed for revenue or taxation purpose, not for postage.

Forgery: A fraudulent copy of gen postage stamp or postmark either to dec the Post Office (Postal Forgery) or to dec the philatelists (Philatelic Forgery).

Gum: Gum is the mucilage applied to backs of adhesive postage stamps, and h its basis crystalline gum arabic.

Gutter: The space, usually blank, betw the 'panes' of a sheet of stamps, to allow t to be separated or perforated.

Harrow Perforation: A means of perforing, both vertically and horizontally wisheets at a time.

. Imperforate: Stamps printed in sheets v out perforations or other means of sep tion, except by the use of knife or scisso

Imprint: Name of designer or printe stamps printed on sheet margins.

Inverted: Turned upside down.

Jubilee Line: The inked printer's rule, fra or line surround, enclosing a pane of star

Key Plate: Printing plate for common us a pair or more different stamps, paired v'duty' plate.

Killer: Any cancellation sufficiently he to disfigure most of the design.

Locals: Local stamps are those whose povalidity is restricted to a particular dist route or service, and are not available general, national or international use.

Margins: The word has two philatelic maings, in one it refers to the blank border paper of a sheet of stamps and in the other the border of the individual stamps.

Maximum Card: A pictorial postal of bearing a relevant picture or design, a star related to the subject on the card, an post mark relevant to both. It may be lss by a postal authority or may be priva issued.



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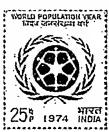
Miniature Sheet: A smaller-than-normal sheet of stamps, often issued to commemorate a special event. A miniature sheet issued for philatelic purposes is called souvenir sheet. Some authorities set an arbitrary limit of 25 or fewer stamps for a sheet to qualify as miniature.

Mint: A stamp in pristine condition; exactly

Pane: Section of a sheet of stamps sometimes subdivided into sections by gutters. A booklet pane is one complete leaf.

Paquebot: Term used internationally on postmark applied to mail posted on board ship. Paquebot markings are a popular and interesting study.







as Issued by the post office, unused, unfaded.

Mourning Stamps: Stamps paying sad tribute to deceased head of states, or a person of national importance, and which are edged or printed in black.

New Issue Service: Under this system the dealer agrees to supply, and the collector agrees to accept and pay for, all new issues of the chosen country or countries, upto a prescribed limit of face value, at a given percentage over face or cost.

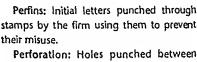
Obsolete: Philatelically no longer in use; the stamp not available to the public at post offices in the country of origin, but not necessarily invalid for prepayment of postage.

Official Stamps: Issued or overprinted for use by government or government department.

Omnibus Issue: Any group of stamps, frequently sharing a common design, issued by

a number of stamp issuing authorities to mark the same occasion.

Palr: Two unseparated stamps, joined horizontally or vertically, the former being normally preferred by collectors.



stamps for ease in separation.

Philatelists A student of philately—the study

Philatelist: A student of philately-the study of postage stamps and their production.

Pictorials: Stamps with a picture design e.g. land scape, building, flowers, animals etc. as opposed to those of more trad-itional motif such as Portrait or coat of arms:

Plate Number Block: Four or more stamps to which the marginal paper bearing the printing plate or cylinder number is attached. It is also known as Plate Block.

Precancel: A stamp postmarked prior to use on bulk mail postings by postal authorities to save time in handling large blocks of mail as stamps so treated normally do not require further cancellation.



Pre-stamp Cover: Envelopes, wrappers and letter sheets bearing evidence of postal use before the introduction of adhesive postage stamp or prestamped stationery.

Provisionals: Stamps

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der to place a call when payment is required. There are many types of cards used in different countries, depending on the telecommunication systems provided by the various companies. A phone card is purchased with a specific balance, from which the cost of calls made is deducted. Once the balance is over, a new card is purchased, rather than having the old one re-filled. Telecom companies have taken advantage of phone cards to advertise on the card and feature artwork, photography and even celebritles. With the help of modern printing technology all types of photos and scenery are printed on the cards. Because of its bigger size compared with the usual postal stamps, cards are more picturesque. Another attraction of phone cards is that they are disposable. What is more, they are easy to

The first known international Phone Card Exhibition was held in the General Post Office In Dubal, in Sept, 1995. The first Telephone Card Exhibition in India was held in the Nagpur Press Club, on August 2, 1996.

handie.

Autograph Collection

A hobby that fascinates both young and old is autograph collection. Autographs of legendary personalities are precious possession for those who admire them. People are known to have spent hours and hours to get a signature from their heroes. To some it may be a cricketer while to others it may be a film star or a political leader:

The hobby has come of age in India. It is seen as an activity of great educational value that teaches the collector the history of one's own country. Obtaining a VIP's signature can sometimes kindle a new interest in a child who pursues further study of the personality and his mission. The hobby also helps to bring people into contact with others of similar interests.

Signatures can be collected in a notebook or on paper. But it is common to see cricketers place their signatures on bats, balls and stumps. Other Items to carry autographs include photographs, First Day Covers, Special Covers, sketches, cartoons and books. Imagine your getting Arundhati Roy's signature on a copy of her The God of Small Things.

Not all legendary personalities are easily accessible. Some are generous while others are not. Kapil Dev is among the most accessible in India.

How Gandhijl used to oblige autograph hunters is well-known. He took Rs. 5 for every autograph he signed, and donated the proceeds to the Harijan Welfare Trust. Former Prime Minister Morarji Desal gave autographs to only those who promised to wear khadi.

Autograph collecting In India has become an organised adult passion. How can one gather autographs? The first step is writing letters to celebrities. Many of them respond to your requests. You can also enhance your collection by exchanges, that is, with people who possess two or more autographs from the same celebrity. Meeting the VIP at his home, or at a public place is the third way to acquire an autograph. Public relations officers of celebrities can also help you.

Autographs are now seen as investments too. You can be sure of a huge price for a photograph of Marilyn Monroe signed by her. Similarly a book autographed by Arthur Haile should reward you well. Insurance companies insure prized autographs, authorized dealers sell them and they are also auctioned at Christies, etc. The last two real autographed Beatles albums went for \$60,000 a piece. Could you imagine the price a signed Walt Disney drawing could fetch?

Enthusiasts in India can now join the Autograph Collectors Club of India in Kolkata and develop their hobby. (e mail:skiahoti@vsnl.net)

Numismatics

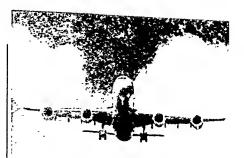
The art of collecting and studying coins, other currency, and medals is known as numismatics. A coin collector or a person who studies coins is called a numismatist. These terms are derived from the Latin word numisma, which means "money."

Coin collecting as a hobby dates back more than 2,000 years to the ancient Greeks and Romans. The private acquisitions of 15thand 16th-century kings and nobles formed the basis for the great national collections of Austria, Hungary, and France.

A good coin collection is an investment and can be profitable in a number of ways. As a pastime it provides hours of pleasure and the satisfaction of watching the collection grow. Moreover, coins—old, new, foreign, or domestic—will always be worth at least as much as the metals of which they are made, and these are often precious metals. The retail value of a coin seldom drops below its face value. An Indian paisa, for example, will almost always be worth at least 1/100th of an Indian rupee. The value of many coins actually increases over a period of time because the demand for these coins increases while their supply remains unchanged.

Coins may be of historical importance. The words and illustrations stamped on ancient coins are often a unique source of information about the civilisations that produced them. Such coins may bear the only remaining depictions of famous historical figures or of buildings that have long since disappeared. An old coinis a survival of the past. It brings with it the atmosphere of the age in which it was minted.

The easiest and most inexpensive way to start a coin collection is to begin with coins that are still in circulation. Everyone cames a certain amount of change. There are many other ways for a beginner to get help in starting a collection. Books about coins and coincollecting can usually be found in public



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libraries. Coin shops also carry books and catalogs that contain valuable information about coins. It is good practice to consult an updated catalog that lists current values.

Collectors usually grade the condition of coins according to the following standards:

Proof: having a mirror-like finish; struck with polished dies on polished blanks.

Uncirculoted: in perfect condition; undamaged and showing no signs of wear.

Extremely fine: showing no clear-cut signs of wear, with a finish inferior to that of an uncirculated coin.

Very fine: showing very minor signs of wear. Fine: showing some signs of wear, but with sharp, clear details.

Very good: showing definite signs of wear. Good: considerably worn, but with the details of the design still clearly visible.

Fair: badly worn or damaged.

Poor: very badly worn, but with the design still distinguishable.

Coins: Miscellany

The Maria Theresa Thaler: Maria Theresa was Archduchess of Austria from 1740 to '80. The thaler was used as currency even in the 20th century in Austria, Italy and USA. It was popular as currency in Ethiopia. Maria Theresa thaler is always dated 1780.

Cherokee Notes: Notes of the Cherokee nation are among the great ranties. Cherokees were North American Indian people who formerly inhabited North Carolina and northern Georgia.

indian Coinage: We know much about many Indian rulers of the past from coins. The earliest coins were punch-marked pieces of silver called 'purana'. The invasion of Alexander brought coinage with Greek types and inscriptions to North India.

Paper Money: Sweden had partly printed, partly written receipts for large sum of copper coinage as early as 1661. In 1694, Bank of England issued printed bank notes. The true ancestors of paper currency, modern billets, were printed in France in 1716 by Scottish financier and speculator John Law. Orginally printed from Woodblocks, paper money is a Chinese invention.

Christ and the tribute penny: The tribute penny mentioned by Jesus Christ was a Roman silver denarius of Tiberius. The 30 pieces of silver must have been tetradrachms of Greek or Greek Imperial Mints of Phoenicia or Syria. Exact identification is impossible.

Odd denominations: A Japanese 19th century note existed for the extremely small sum of three copper cash. U.S. bills for \$100,000 are among the extra-ordinary denominations. Over 100 years ago, the US banks occasionally brought out odd denominations like 75 cents and three dollars. Even a nine-dollar bill existed.

Coins of Elizabeth I: Under Queen Elizabeth 'milled' coins were made by machinery brought from France. A colonial series also began in her reign, with special issues for Bombay and Bermuda.

Money in China: In ancient China, there was knife money (shaped like a knife), key money (shaped like a key) and cash. 'Cash' is a Chinese word meaning a small unit of currency.

Gardening

Gardening, most often considered to be a leisure-time pursuit, is the cultivation of such diverse plant groups as flowers, vegetables and fruit, and trees and shrubs.

The flower garden gives the gardener the opportunity to specialize in a favourite flower. The vegetable garden is an another important, but quite different, kind of special garden. This is planned to provide fresh, flavourful food for the family for several months, the duration depending on the climate. Fruit gardens can be extensive, and may include small orchards filled with apples,

peaches, pears, or, in mild climates, citrus fruits. Herb gardens are in between flower and food garden. A woodland or a modest sort of wildflower garden can be created on the shady side of a house or even under a single tree. Window gardens or light gardens are what you get when several plants are grouped in a sunny window or placed under fluorescent lights. Terrace gardens are essentially gardens of plants in containers. They include house plant collections brought outdoors in mild weather, hanging baskets of trailing plants, and planters filled with flowering plants. Even veg-

etables, such as tomatoes and cucumbers, and culinary herbs, can be grown in pots or tubs.

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Nearly all kinds of gardens have the same initial requirements. Before anything else is done, some basic tools must be purchased. Start out with as few as possible, adding to the collection as experience is acquired and needs justify. It is good idea to examine the tools used by a seasoned gardener. They may well include a long-handled spade to turn over the soil and dig holes for planting trees and shrubs, a hoe for removing young weed growth and making furrows for seeds, a trowel for transplanting and setting out seedlings and annuals, and a heavy steel rake for grading and smoothing the soil. A wheelbarrow is needed for moving soil, peat moss, and fertilizers, and for transporting plants. Finally, there should be a watering can and lengths of hose.

The kind of garden should determine its location, but in practice, there is rarely much choice, especially on small properties. The soil should be well drained. When used in excessive amounts, all fertilizers can be harmful and can even destroy plants.

Ham Radio

A ham radio operator is a radio enthusiast who by virtue of his fascination towards wireless communication technology enables himself to establish his own two way radio station

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nd communicates around the world for the neer joy, thrill and excitement involved in uccessfully establishing radio contacts round the world. Thus a fraternity of people

round the world. Thus a fraternity of people volved around the world, who mostly dulicated each other's radio communication guipment.

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The reason why an amateur radio opera-

ome relate these three letters (HAM) to the ames of three great radio experimenters; lertz (who practically demonstrated the extence of electromagnetic waves in 1888).

rmstrong (who developed a resonant oscil-

ntor circuit for radio frequency work) and Marconi (the 1909 Nobel laureate in Physics, who in the year 1901 established the first ransatlantic radio contact). Ham radio is pasically a wireless communication technology. Different types of professional radio communication services came into existence hroughout the world due to the utility of the wo-way radio. The radio broadcast stations,

isually, belong to the Broadcast Services of

either government or private organisations.

This is a one-way communication where one

cannot interact on-the-air. 'Amateur Radio Service' belongs to the people interested in experimenting with their own radio transmitting and receiving equipments. They put their voice on-the-air for listening to and at the same time to reply back by their fellow experimenters around the world. They never accept money for their on-the-air communi-

With the availability of factory made sophisticated ham radio equipments, ham radio became a hobby of the millions who are babes in their knowledge of electronics. Ham radio provides the opportunity to gather knowledge and exchange information onthe air in an informal way. There is much to learn from ham radio even though it is a hobby. Virtually people from all the profes-

sions become ham radio operators. In fact,

anybody above 12 years can become a ham radio operator after passing a qualifying examination conducted by the Ministry of Communications, Government of India.

Angling Angling is the act of fishing with a hook

and line and usually a rod. Modern sportfish-

ing can be divided into two basic categories: freshwater fishing and saltwater fishing. The three most common fishing tactics are bait fishing (often called still-fishing in North America and bottom fishing in England), spin fishing, and fly-fishing.

Bait fishing involves the use of live or dead bait on a hook, with a short rod, a reel, and heavy line. Depending on the species that the angler hopes to catch, the bait sits on the bottom where fish may feed, bobs up and down off the bottom so that the action may attract fish or it reeled a good distance

and down off the bottom so that the action may attract fish; or is reeled a good distance off the bottom to attract fish schooled at mid-depth. Anglers frequently tie a leader (a short length of steel wire or heavy nylon) between the hook and the regular nylon or Dacron fishing line to prevent the fish from biting through the line. Lines for all types of fishing come in various diameters or strengths, and anglers choose them according to the size and strength of the fish being sought.

Spin fishing, which uses a somewhat longer rod than bait fishing, is more often

longer rod than bait fishing, is more often associated with artificial lures. Fly-fishing uses a rod much longer—up to 3 m (10 ft)—and lighter than rods used for bait and spin fishing. Dry-fly fishing uses flies that float on the top of the water; wet-fly fishing uses flies that sink.

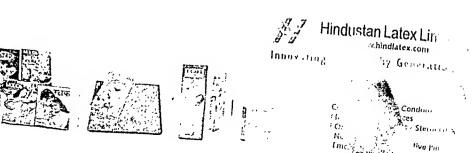
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Bird-watching

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The Electrical

A birdwatcher's basic equipment includes binoculars, a field quide to help in identifying birds and a notebook for recording time and place of sightings. The publication of field quides from 1934 onwards gave a boost to the interest in birds. In fact, before 1900, most students had to shoot birds to study them.

The best places to observe birds are parks and gardens. You have to sit quietly and try to keep out of sight. Watch patiently and note down the colours, shape and behaviour of different types of birds and the time and place you saw them.

The chief elements of bird-watching involve the study of their habitat, flight, feeding, courtship, nests, dispersal and communication. Some birds live in the same place all year round, while others fly the length of the Earth to a new home every year. Some birds specialise in eating plant food (fruits, nuts and seeds) and others eat honey. Some have a diet consisting of insects. Some are hunters who feed on animals including snakes and fish. Large birds, like a swan, have up to 25,000 feathers. Feathers are made of a protein called keratin. The bird's dominant sense is sight, smell the poorest.

Birds fly in different ways. Albatrosses soar and glide on rising currents of air. Humming birds hover in front of flowers by beating their wings an incredible 90 times a second. Birds use their beaks for catching, breaking open or holding onto food and for preening and for building nests. A bird's diet depends on where it lives and what food is available. Birds use their feet for walking, running, gripping and tearing food, climbing, swimming and preening their feathers. Some birds like owls are active during the night. Birds use their voices in calls and songs, which are used to establish and defend temtory, as warnings, to identity other birds in a group and in courtship.

Medical Stores



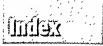


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